

2003-2007

Iowa Transportation Improvement Program





Iowa Department of Transportation

Citizens of Iowa:

December 10, 2002

The Iowa Transportation Commission and the Iowa Department of Transportation have developed this Iowa Transportation Improvement Program to inform the citizens of Iowa of planned investments in our state's transportation system.

Development of the highway portion of this program was guided by several major objectives: completing six major highway corridors; addressing interstate condition and capacity issues; reconstructing Interstate 235 in Des Moines; investing in pavement preservation activities throughout the state; and maintaining bridges throughout the state.

Iowa's transportation system is multi-modal. The Transportation Improvement Program encompasses investments in aviation, railroads, rivers, trails, state parks and institutional roads, roadways and public transit. It details a wide variety of transportation investments including: airport improvements, marketing, education and promotion; rail assistance, rail/highway grade crossing improvements and track safety inspection; rail and roadway enhancements associated with barge terminal operations and navigation facilities; trails programs; construction and improvement of state parks and institutional roads; Revitalize Iowa's Sound Economy (RISE) projects; Iowa Statewide Transportation Enhancements; Iowa's Clean Air Attainment Program; the Traffic Safety Improvement Program; Iowa's highway improvement program; and Iowa's public transit program.

To accomplish this program, the Department of Transportation works closely with the Iowa Railway Finance Authority (a separate state board appointed by the Governor), local governments, the heavy/highway construction industry, consulting engineers, material suppliers, aviation industry, railroad companies, public transit agencies, regional and metropolitan planning agencies, and several federal and state agencies.

We appreciate the public's involvement in the state's transportation planning process. Your comments—received either personally, by letter, or through participation in the Transportation Commission's regular meetings or public input meetings held around the state each year—are invaluable in providing guidance for the future of Iowa's transportation system.

The Transportation Improvement Program is based on projected federal and state revenues, and associated costs of each project. Periodically it is necessary to make adjustments in project schedules. Staff present changes to the Commission and public during regularly scheduled Commission meetings. Changes in the program schedule are most frequently influenced by factors like accelerated/decelerated construction work schedules, inflation, labor and material costs, and shifts in revenue flow.

We emphasize this report is a planning guide only and does not represent a binding commitment or obligation of the Department. This document is subject to revisions and changes that may be required by unforeseen situations, Congressional or legislative action, or general economic conditions.

We invite you to visit the Department's Web site at www.dot.state.ia.us for additional information and regular updates about the Department's programs and activities.

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Caveat

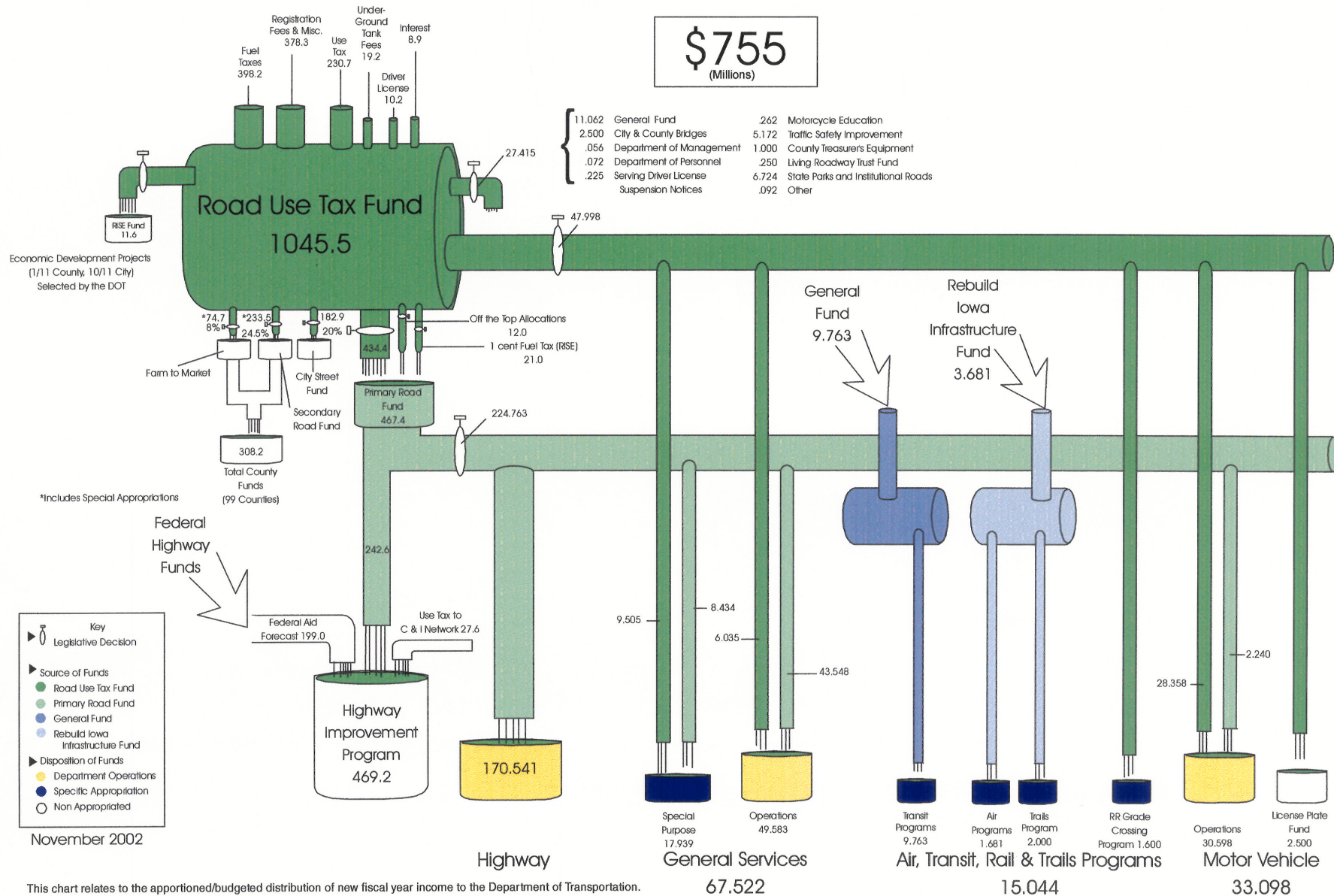
The Iowa Department of Transportation Improvement Program is based on existing federal and state programs, on estimates of funds expected to be available and on the estimated costs for construction, maintenance and other work proposed to be accomplished. This five-year program is subject to modification and is, therefore, not to be construed as a commitment or obligation of the Department.

The Iowa Department of Transportation annual program represents a list of construction and other work intended to be accomplished during the upcoming years. Adjustments may be necessary in cases of disaster, changes in available funding or other factors.

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Iowa Department of Transportation Fiscal Year 2003 Transportation Funding



This chart relates to the apportioned/budgeted distribution of new fiscal year income to the Department of Transportation. Road Use Tax Funds and Federal Highway Funds are estimated. The forecast income correlates directly with the Road Use Tax Fund Forecast presented to the Iowa Transportation Commission. Some amounts have been adjusted for rounding.

This chart does not include reference to federal highway or transit funds administered by the DOT but transferred to local jurisdictions for local programming authority. It may not include additional sources of revenue related to prior years' allocations or as reimbursements for costs paid from previous years income. Amounts designated for specific programs may not reflect actual amounts expended during the current fiscal year.

Iowa Transportation Policy

July 1, 1996

Goal	The transportation goal for Iowa is to provide and preserve adequate, safe, and efficient transportation services based on the use by and benefits to the public.	
Policy	The Iowa Department of Transportation will:	
A. General	<ol style="list-style-type: none"> 1. Promote a safe transportation system that addresses user needs and maximizes economic and social benefits for Iowa's citizens. 2. Provide for a participatory planning process which: (a) involves public, private, and citizen interests, (b) encourages complementary transportation and land development patterns, and (c) gives consideration to the effects of transportation on the state's natural, cultural, human and economic resources. 3. Encourage and support programs to provide commodity movement and mobility for all citizens. 4. Develop, promote, administer and enforce just and equitable policies and procedures for the registration, regulation and operation of motor vehicles, aircraft, and common carriers of passengers and freight. 5. Promote financing of the transportation system through user and nonuser sources in an equitable manner, including public and private cost-sharing partnerships where government and the private sector share in the responsibility for transportation planning and development, and for service and facility improvements. 6. Administer the land and resources under its jurisdiction in a manner that both protects the rights of individuals and gives consideration to the effects of its activities on the environment. 7. Encourage and support an intermodal transportation system by identifying and improving, or facilitating points of transfer between modes. 8. Promote a transportation research and technology transfer program to develop and improve services, methods and materials. 	<ul style="list-style-type: none"> - exerts a positive influence on social, economic, environmental, and aesthetic values; - provides safe, convenient travel opportunities; - minimizes economic, energy and environmental costs; - coordinates available federal, state, and local resources; - recommends appropriate investment and funding procedures; - makes the best use of land resources for permanent transportation use; - encourages more efficient use of energy resources; - fosters usage of technological advancements in transportation facilities; and - evaluates progress toward achievement of the goal contained in this policy.
		<ol style="list-style-type: none"> 2. Encourage and assist in the development, preservation, maintenance, improvement, and efficient use of all transportation systems: <ul style="list-style-type: none"> - general aviation, airport facilities and air carrier services; - highway transportation systems and services, including accessibility for commercial and industrial economic development throughout Iowa; - public transit systems and services; - railroad transportation systems and services; - river transportation; and - multiuse trails and corridors for transportation, recreation and tourism. 3. Develop and participate in programs to improve the safety of transportation systems. 4. Encourage and support development of transportation education programs.
B. Plan	<ol style="list-style-type: none"> 1. Develop a total transportation system plan, subject to annual review, which: <ul style="list-style-type: none"> - considers all transportation modes as interacting elements; - considers facilities and services necessary for person and commodity movement from origin to destination; - contributes to the development and implementation of a comprehensive state plan; 	
	C. Program	<ol style="list-style-type: none"> 1. Annually prepare a current and long-range program of capital investment, services, and regulatory practice. 2. Propose and promote legislative programs to facilitate an integrated transportation system.

Aviation

Aviation Program

The Office of Aviation's mission is to advocate and deliver aviation services that support and promote a safe, comprehensive and competitive air transportation system to enhance the economic development and quality of life for Iowans. The office advocates and promotes aviation, and provides technical assistance in airport design, construction, safety, zoning, community air service, reauthorization, and other aviation issues.

Requests for assistance or information should be addressed to the Iowa Department of Transportation, Office of Aviation, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1691. Please visit the Web site at www.iawings.com.

The Iowa DOT historically has received three separate appropriations from the state legislature for assistance to Iowa's airports: the General Fund Aviation Assistance appropriation, Commercial Air Service Infrastructure appropriation, and the General Aviation Infrastructure Assistance Program.

General Fund Aviation Assistance

The majority of the programs funded through the General Fund appropriation enhanced safety and preservation of existing infrastructure, with the opportunity to provide expansion when an economic impact could be demonstrated. The Legislature has historically appropriated \$2.5 million annually. The funds were used primarily for Iowa's general aviation airports, although commercial service airports received some of the funding. Programs funded by the General Fund are administered by the Iowa DOT's Office of Aviation. However, in FY 2003 the programs listed below were unfunded:

Aviation Weather System

The Iowa Aviation Weather System (IAWS) consists of a network of automated weather observation systems (AWOS) at Iowa's primary general aviation airports. These sites supplement the federal AWOS sites. The majority of AWOS sites were installed with assistance from the federal airport program. The annual funding provided operational maintenance and transfer of data into the national system, a requirement of the use of the federal funding.

The State Airport Improvement Program

The AIP provides grant dollars to publicly owned general aviation airports and small commercial service airports with fewer than 10,000 passengers. Airports submit grant applications and assurances for the annual program. Projects are selected based on criteria established in the Aviation System Plan, which prioritizes projects based on level and types. A three-year capital improvement list of unmet needs provided by airports shows the investment needed to maintain Iowa's airports. Projects are categorized as safety, preservation, standards or expansion projects. Eligible projects include runway and taxiway improvements, removal of obstructions, safety enhancements, visual and navigational aids, communications equipment, and planning studies. All of the AIP projects require some level of local match, ranging from 10 to 50 percent.

Commercial Air Service Marketing Program

This program provides matching funds to assist commercial service airports in planning and implementing awareness programs and marketing air service. Marketing dollars are used to urge travelers to fly locally to decrease the amount of leakage to other airports. The marketing program is a reimbursement program, requiring a 50 percent match by airports with more than 50,000 passengers, and 25 percent local match by smaller airports.

Aviation Promotion

Aviation promotion and advocacy is a focus for the Office of Aviation. Funds are used to develop and maintain a new Web site, produce an educational video, and to promote aviation through radio, print and billboard. Emphasis throughout the campaign is on the economic impact of airports. Funds are also used for aviation education and support for education efforts of other aviation associations. The office also prints an airport directory and aeronautical chart on a biennial basis. An airport directory will be printed during FY 2003, but the aeronautical chart will not.

Facilities and Equipment

A portion of the funds are set aside to provide funding for emergency facility and equipment needs that develop throughout the year. This safety program helps local airports replace lighting or communication equipment that may have malfunctioned during the year.

Runway Marking

Funds are used to assist public general aviation airports with painting runway markings. A four-year rotating system has been established to paint each runway once during the four years. This program provides an economical method for the marking of runways.

Windsocks

Windsocks are provided to public airports at no charge as a basic aviation safety tool.

Rebuild Iowa Infrastructure Fund Programs

Commercial Service Vertical Infrastructure Fund

The Rebuild Iowa Infrastructure Funds are distributed to the commercial service airports as specified by the Code of Iowa, with no match required, for vertical infrastructure improvements. Half of the funds are distributed equally to the commercial service airports, 40 percent distributed by enplanements, and 10 percent based on cargo shipped. Eligible expenses include: construction or renovation of terminals and hangars, associated design costs, land acquisition, grading, foundation work, floor slabs and utilities. No runway, taxiway or other horizontal improvements are eligible under the current program. The FY 2003 program was appropriated \$1,100,000.

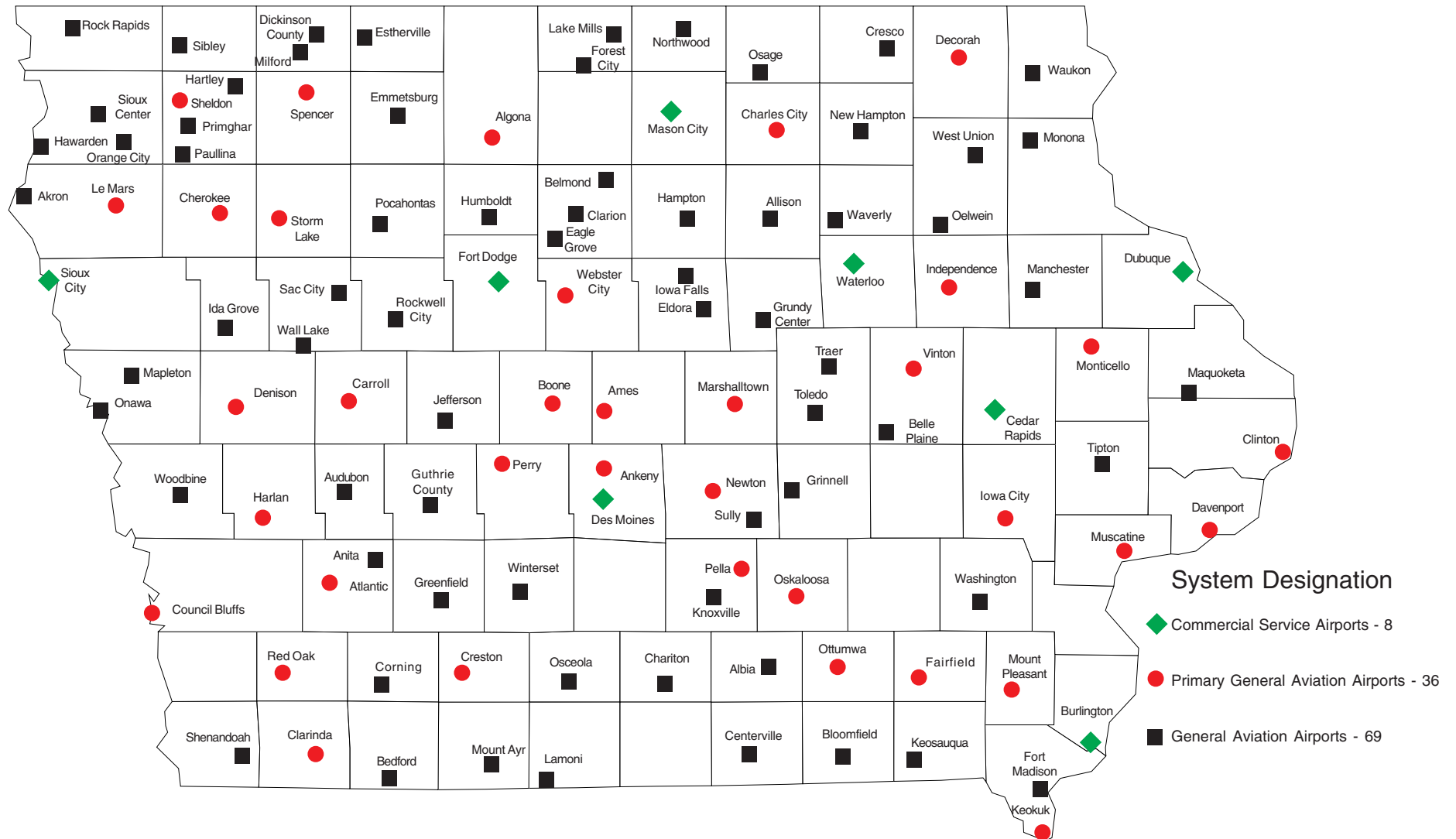
General Aviation Vertical Infrastructure

General aviation airports first received vertical infrastructure grant funds in FY 2000, and again in FY 2002 and FY 2003. Publicly owned general aviation airports must submit grant applications. Projects are prioritized based on need for improvements as well as the financial need of the airport. The grant is a 70/30 match program, with a \$50,000 maximum grant per project. Eligible projects include hangars, fuel facilities and terminal improvements. The FY 2003 appropriation totaled \$581,400.

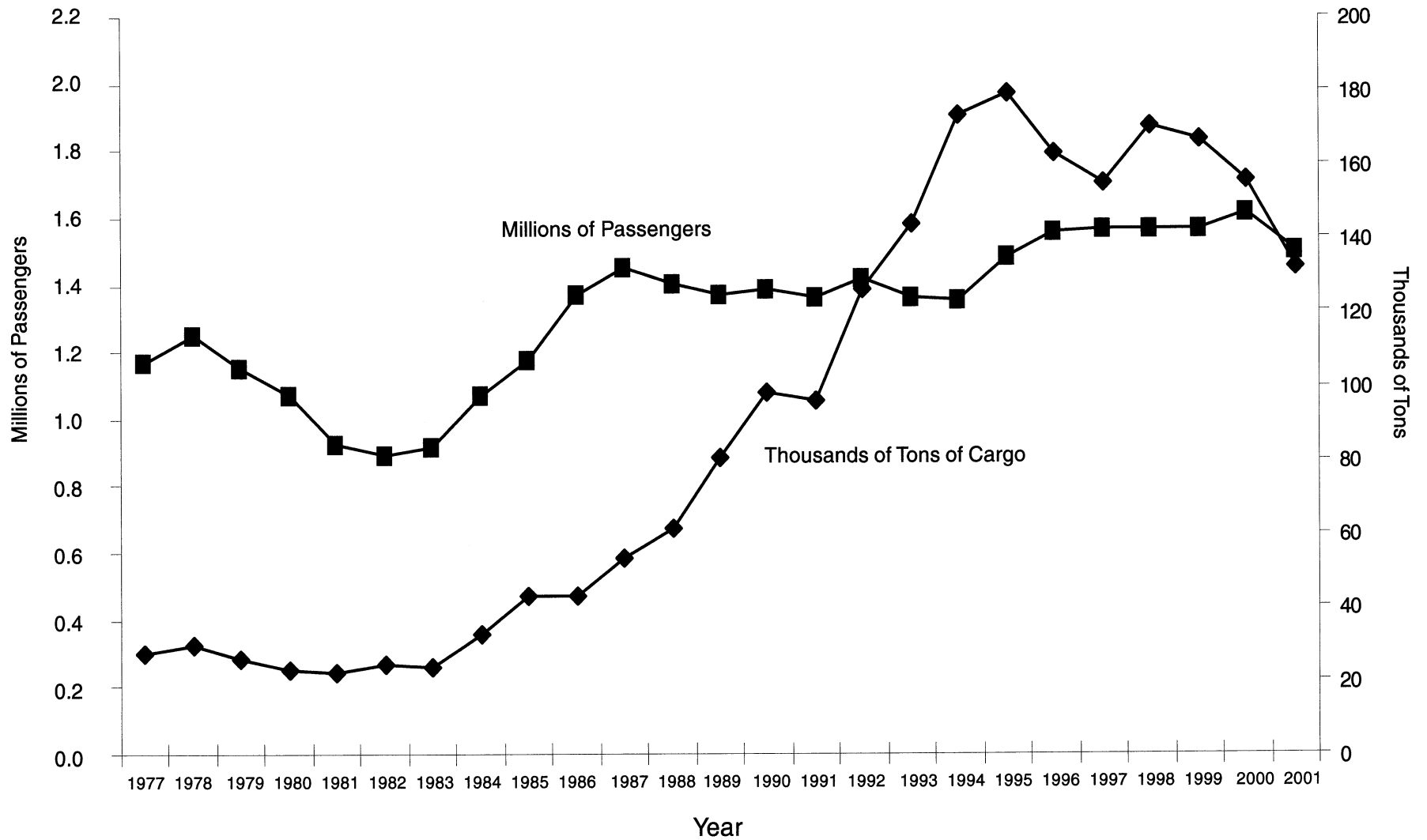
Aviation Hangar Revolving Loan Fund

This fund was established in FY 2001, accompanied by a \$500,000 appropriation to be used for design, construction or improvement of hangars at general aviation airports in the state. Because of state budget shortfalls, \$360,000 was deappropriated from this fund in FY 2002, leaving only \$140,000 loaned to airports to be repaid over a 10-year period.

Iowa Publicly Owned Airports



Cargo/Air Passenger Movement in Iowa



FAA Historical Passenger Enplanements in Iowa

	Des Moines	Cedar Rapids	Sioux City	Waterloo	Dubuque	Burlington	Mason City	Fort Dodge	Clinton*	Ottumwa**	Spencer**	Totals
1976	561,186	213,623	103,856	108,165	33,498	29,183	17,598	9,081	5,862	8,379	N/A	1,090,431
1977	593,602	238,816	105,020	116,301	37,158	32,727	18,174	9,325	5,947	8,326	N/A	1,165,396
1978	643,728	260,916	112,284	115,660	40,919	35,324	19,329	9,684	6,343	8,744	N/A	1,252,931
1979	624,196	251,672	98,769	85,500	33,758	28,510	13,424	8,121	6,352	4,485	N/A	1,154,787
1980	604,663	242,427	85,255	69,054	25,088	26,521	10,257	4,809	2,273	3,045	N/A	1,073,392
1981	540,473	207,072	62,498	56,348	22,245	24,601	6,004	3,868	1,573	2,405	N/A	927,087
1982	551,282	191,889	51,474	49,109	19,490	22,385	3,264	3,599	1,776	1,383	N/A	895,651
1983	542,535	206,142	64,293	53,733	18,488	18,294	6,089	5,032	2,375	1,838	1,161	919,980
1984	632,466	248,932	63,684	59,420	23,737	27,361	8,090	5,296	2,221	1,886	2,057	1,075,150
1985	726,024	279,387	52,234	59,000	19,642	25,424	6,456	5,143	590	257	3,042	1,177,199
1986	749,581	396,482	96,665	59,492	26,658	25,313	8,071	5,210	668	1,219	2,920	1,372,279
1987	812,443	409,433	101,518	57,418	23,468	25,730	9,599	5,712	568	1,160	3,391	1,450,440
1988	776,484	382,002	110,317	57,501	28,690	22,446	11,791	6,877	353	712	3,807	1,400,980
1989	747,201	369,863	107,217	66,374	31,355	22,875	14,303	6,815	345	1,274	5,554	1,373,176
1990	717,460	408,017	111,737	60,299	34,539	23,743	16,553	6,801	N/A	936	5,599	1,385,684
1991	742,453	387,483	89,230	55,176	33,060	24,838	13,254	7,292	N/A	1,410	5,634	1,359,830
1992	744,757	396,612	106,044	64,256	43,572	28,705	17,908	10,079	N/A	1,769	8,023	1,421,725
1993	703,153	385,384	94,362	65,689	44,979	28,921	17,930	10,391	N/A	1,799	9,058	1,361,666
1994	681,033	393,827	91,359	62,921	41,789	27,672	18,054	10,059	N/A	2,978	9,622	1,339,314
1995	805,350	401,394	117,355	61,414	36,652	23,457	16,592	9,702	N/A	2,367	7,745	1,482,028
1996	892,848	408,262	101,618	70,084	35,001	21,894	16,520	6,821	N/A	1,944	6,973	1,561,965
1997	817,815	444,108	102,847	70,453	39,624	19,855	17,619	7,060	N/A	900	5,058	1,525,339
1998	832,720	462,478	90,277	60,449	44,782	20,211	15,759	8,562	N/A	1,045	5,361	1,541,644
1999	849,603	464,277	89,563	58,904	55,555	18,828	13,477	11,801	N/A	772	6,258	1,569,038
2000	843,290	493,795	85,684	54,580	58,531	16,511	12,612	11,729	N/A	852	4,485	1,582,069
*** 2001	817,715	443,133	90,016	51,755	56,353	11,121	14,477	9,722	N/A	NA	NA	1,494,292

* Passenger service terminated in 1990.

** Passenger service terminated in 2001.

*** Preliminary

Rebuild Iowa Infrastructure Fund Programs

FY 2003 State Commercial Service Vertical Infrastructure Projects

Airport	Project Description	Grant Amount
Des Moines	Airport terminal modifications for security. Expand south cargo building. Construct new field maintenance storage and trades building, and sand/chemical storage building.	\$391,532
Dubuque	Design and rehabilitation of existing hangars and terminal building. Design and land acquisition for a new terminal building.	85,099
Eastern Iowa	Renovate terminal building to install bomb detection equipment. Replace cargo building overhead doors and soffits. Construct sanitary disposal shelter. Construct administrative building addition.	228,682
Fort Dodge	Renovate terminal and terminal security area. Construct addition to ARFF/maintenance building. Renovate entrance sign and T-hangars.	72,027
Mason City	Construct passenger screening area. Install emergency generators. Relocate buildings. Make upgrades to existing buildings in terminal area. Demolish open shelter hangars.	72,468
Sioux City	Upgrade maintenance facilities Phase II.	92,853
Southeast Iowa	Construct commercial hangar. Construct GA hangar. Renovate terminal exterior. Install passenger lift for airport operations.	73,358
Waterloo	Replace/reroof terminal building.	83,981
Total		\$1,100,000

FY 2003 State General Aviation Vertical Infrastructure Projects

Airport	Project Description	Grant Amount
Ames	Replace 3 overhead doors.	\$15,960
Audubon	Construct new terminal/welcome center.	50,000
Clinton	Construct new maintenance shed.	39,740
Council Bluffs	Replace hangar one roof.	50,000
Davenport	Install bi-fold doors in 2 T-hangars.	17,500
Forest City	Renovate terminal building.	13,796
Independence	Construct new 4-unit T-hangar.	50,000
Iowa City	Replace roof and install concrete floors in two 10-unit T-hangars.	50,000
Newton	Construct new 12-unit T-hangar.	50,000
Osceola	Construct new 5-unit hangar.	50,000
Pella	Upgrade existing fuel facility.	18,900
Rock Rapids	Construct new 6-unit T-hangar.	50,000
Shenandoah	Upgrade fuel facility to jet fuel.	42,000
Storm Lake	Repair roof of existing hangar.	17,500
Vinton	Upgrade fuel facility to credit card reader.	37,800
Waverly	Construct 2 new hangars.	42,000
Total		\$595,196

Railroad

Railroad

Railroad Program

These programs and activities are administered to encourage and assist development and maintenance of a safe, efficient and economical railroad transportation system.

Planning and Policy Initiatives

Rail System Planning

The Department has developed the Iowa Rail System Plan that provides guidance in the decision-making process associated with investing state resources in Iowa's rail system. The Iowa Rail System Plan identifies the state railroad policies and directions, provides information regarding the condition of rail transportation in Iowa, reviews the accomplishments of the state rail assistance and safety programs, identifies current railroad issues, and proposes some possible alternative strategies and actions. For more information call 515-239-1669.

Midwest Region Rail Passenger Initiative

The Department is currently involved in the Midwest Region Rail Passenger Initiative, an ongoing effort to develop an expanded and improved passenger rail system in the Midwest. The initiative is a cooperative effort among nine Midwest states, Amtrak and the Federal Railroad Administration. The preliminary study concluded that a regional rail passenger system hubbed in Chicago, including the Iowa Interstate rail line to Omaha, could be a viable system generating enough riders and revenue to recover, at a minimum, its operating costs.

Phase IV, completed this year, included an assessment of and refinements to the preliminary study published in 1998. This phase addressed infrastructure and operational requirements, level of travel market demand, financing alternatives, institutional arrangements, and system-wide costs and benefits. For more information call 515-239-1653.

Railroad Restructuring

Restructuring of Iowa's 4,163-mile rail system is an ongoing process involving line abandonments, company mergers, and acquisitions of existing lines by shippers or other railroads. There have been 257 miles of track lost in Iowa since 1990. Currently, a total of 60 miles of track is being considered for abandonment by the railroads.

The DOT may hold public meetings with shippers along lines proposed for abandonment to review and discuss alternatives to abandonment. Options include shipper purchase and operation, or operation by regional or short-line railroads. In addition, the DOT may submit comments to the Surface Transportation Board, which determines if the abandonment is appropriate.

The DOT reviews proposed railroad mergers, consolidations or acquisitions of Iowa rail carriers or lines, and other transactions that may affect the ability of carriers to provide competitive service to Iowa shippers. For more information call 515-239-1653.

Public Crossing Improvement Programs

Federal-Aid Rail/Highway Crossing Safety Fund

The Crossing Safety Program participates in the cost of safety improvements at rail/highway crossings. These funds are used to install new crossing signal devices, to upgrade existing signals, to improve crossing surfaces, and to provide low-cost improvements, such as increased sight distance, widened crossings, increased signal lens size, or crossing closures. Setting of priorities for this funding considers a number of factors, including improvement costs, highway and train traffic, and accident history. A railroad or a roadway jurisdiction may apply for crossing safety funding.

Four million dollars from the 2003 Federal-Aid Rail/Highway Crossing Safety Program will fund the 49 projects, shown on pages 12 and 13. An additional 59 candidates are proposed for preliminary engineering in 2003 and construction in 2004, also at a total cost of \$4.0 million from the fund. These projects are shown on pages 14 and 15. Projects will be advanced if funding becomes available. For more information call 515-239-1549.

State Grade Crossing Safety Fund

An annual \$700,000 appropriation from the Road Use Tax Fund is available to help railroads maintain crossing signals installed since 1973. For more information call 515-239-1549.

State Grade Crossing Surface Repair Fund

An annual \$900,000 appropriation from the Road Use Tax Fund is used to assist railroad companies and highway jurisdictions repair rail/highway grade crossings. The Grade Crossing Surface Repair Fund will pay 60 percent of the cost of repairs, with the responsible roadway jurisdiction and the railroad company each paying 20 percent. Eligible projects are funded in the order applications are received by the Department.

Forty-seven projects have been included in the 2003-2005 program. The estimated total cost to the fund for those projects, as shown on pages 17 through 19, is \$1.9 million. Projects will be advanced if funding becomes available. For more information call 515-239-1108.

One million dollars from the Primary Road Fund is being programmed each year to repair primary road crossing surfaces. This will allow the State Grade Crossing Surface Repair Fund to focus on city and county projects. This strategy will reduce the existing backlog of projects.

Railroad Track Improvement Programs

Track Safety Inspection

The Department monitors the track condition of railroad lines in Iowa to ensure railroads perform required track inspections and maintain track in accordance with federal safety standards. For more information call 515-239-1052.

Rail Assistance Program

State and federal funds are available to aid preservation of service to Iowa rail shippers and to encourage economic development along Iowa's rail system. The Rail Assistance Program may provide grants or loans for up to 80 percent of the costs for either type of project. Recommendations for rail assistance are based on a number of factors: immediacy of need, funding availability, economic analysis (benefit/cost), financial participation by other sources, financial analysis, other identifiable benefits to the state, and continuation of a phased project. Projects receiving federal funding through the Local Rail Freight Assistance Program must have a benefit/cost ratio of at least one-to-one, at least 20 cars of freight per mile per year, and less than five million gross ton miles per year.

A rail assistance project may involve restoration, improvement or construction of rail lines used in common carrier freight service. Generally, the Department, shippers on the rail line, and the railroad company each provide a share of the financing for projects. No state funds were appropriated for this program in FY 2003. For more information call 515-239-1066.

Iowa Railway Finance Authority

The Legislature created the Iowa Railway Finance Authority (IRFA) in 1981. As a separate state board appointed by the Governor and staffed by Iowa DOT personnel, IRFA offers financial assistance for acquisition, refinancing or improvement of essential rail lines. IRFA financial assistance may take the form of low-interest loans, grants, limited partnerships, or state ownership and operation. This program can provide loans or grants for up to 80 percent of the cost of rail line acquisitions and up to 90 percent of the cost of rehabilitation projects. Recommendation for Iowa Railway Finance Authority funding is based on a number of factors: a positive net present value; a determination that the applicant is financially responsible and able to undertake the project; and a determination that the application is consistent with the policies and plans of the Department. No state funds were appropriated for this program in FY 2003. For more information call 515-239-1454.

Rail Economic Development Program

Rail economic development funds may be used to restore, improve or construct new rail lines. Funding is based on the non-speculative creation of new jobs and capital investment, or the retention of existing jobs and capital investment that would otherwise be lost to Iowa. These projects usually involve

rehabilitation or construction of spur tracks needed to serve a new industry or improvement of facilities at an existing industry. A total of 60 projects have received funding approval by the Iowa Transportation Commission since the inception of the Rail Economic Development Program in 1986. These projects have been financed with over \$5 million in state funds, and 5,040 jobs have been assisted. Applicants for economic development funds must be cities or counties. There is a maximum of \$100,000 of program funds per project. No state funds were appropriated for this program in FY 2003. For more information call 515-239-1788.

Intermodal Pilot Project Program

The Department currently has one funding program, the Intermodal Pilot Project Program, to provide assistance to intermodal projects. This funding came from oil overcharge funds through the Department of Energy to the Iowa Department of Natural Resources and then to the Iowa Department of Transportation in the late 1980s. The fund was established with \$725,000 for new intermodal transportation facilities or to improve, restore, conserve, repair, rehabilitate or expand existing intermodal transportation facilities. Energy conservation is a primary criterion for this funding. Funding of \$283,000 is currently available for loans. For more information call 515-239-1066.

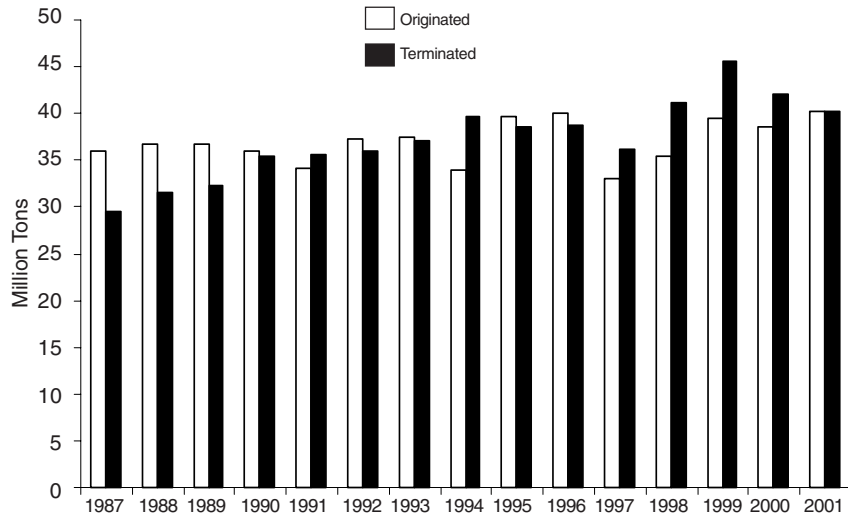
Rail Revolving Loan Fund

The 1998 Legislature approved the creation of a program to provide loans for railroad-related purposes. Code Section 327H.20A created the loan fund to assist in "the restoration, conservation, improvement and construction of railroad main lines, branchlines, switching yards, sidings, rail connections, intermodal yards, highway grade separations and other railroad-related improvements." One-time funding of \$3.4 million was provided through the transfer of IRFA and state rail assistance loan repayments that exceeded the normal scheduled payments of \$1,190,000 in FY 1999. For more information call 515-239-1066.

Railroad Rehabilitation and Improvement Funding

The Transportation Equity Act for the 21st Century (TEA-21) created this credit assistance program to assist railroads with refinancing, line acquisition, track rehabilitation, or development of new intermodal facilities. The program will offer loans or loan guarantees at an interest rate comparable to the federal cost of money, for up to a 25-year term. Congress established a credit limit of \$3.5 billion for projects. One billion dollars is for projects on railroads other than Class 1s. Since loans will come directly from the U.S. Treasury, a credit risk premium will have to be paid for each project. The amount of the premium will be based on factors such as the risk of the project and the credit worthiness of the applicant. A third party, or group of partners, other than the applicant may pay this premium. Funding for these projects will be administered by the Federal Railroad Administration.

Iowa Rail Freight Movements



Rail Freight Service

Iowa is served by 19 railroad companies that operate 4,163 miles of track. Three of these rail carriers are major national companies that operate 53 percent of Iowa's total route miles, including much of the Iowa grain gathering network.

Of the 16 smaller railroads serving Iowa, nine operate in Iowa and nearby states while seven operate only in Iowa. These regional and local railroads serve 47 percent of Iowa route miles and handle 29 percent of the Iowa rail freight shipments.

Rail Passenger Transportation

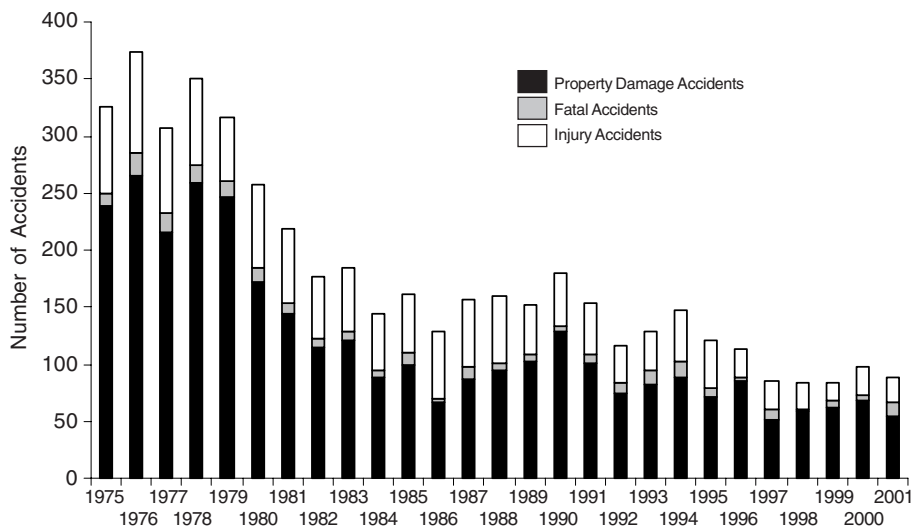
Two transcontinental Amtrak passenger routes pass through Iowa.

The California Zephyr provides service between Chicago and Emeryville, California, with a daily eastbound and westbound train. Zephyr trains operate on Burlington Northern Santa Fe tracks with stops in Burlington, Mount Pleasant, Ottumwa, Osceola, Creston and Omaha.

The Southwest Chief also provides daily two-way service between Chicago and the West Coast. It uses the Burlington Northern Santa Fe line through Fort Madison (its only stop in Iowa), Kansas City and Albuquerque before terminating in Los Angeles.

As discussed in the introduction of this section, the Department is involved in the Midwest Region Rail Initiative, an ongoing effort to expand and improve rail passenger service in the Midwest. The Iowa study accomplished as part of this effort identifies the Chicago-to-Omaha route via the BNSF in Illinois and Iowa Interstate Railroad route in Iowa as the most effective in terms of rider-ship, revenue and operating costs.

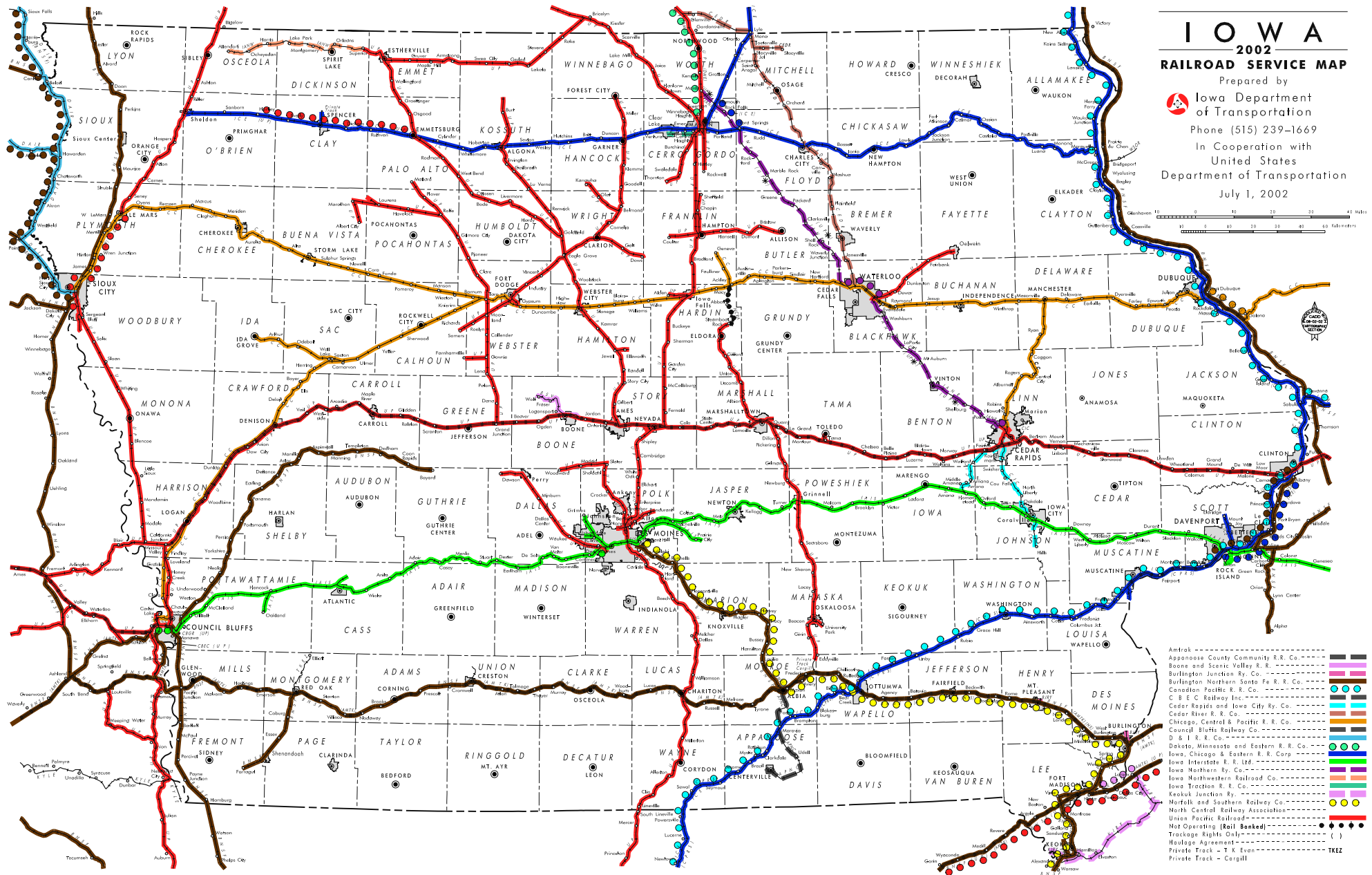
Iowa Rail/Highway Accidents



Rail/Highway Accidents

The number of Iowa rail/highway crossing accidents has decreased significantly since 1980. Contributing to this decline are four engineering and education programs. These programs include the Federal-Aid Rail/Highway Crossing Safety Fund, which assists railroads in installing new crossing signals, upgrading existing signals, and performing other low-cost improvements; the State Grade Crossing Safety Fund, which provides funding to railroads for maintenance of signals installed after 1973; the State Grade Crossing Surface Repair Fund, which assists highway authorities and railroads in upgrading poor crossing surfaces; and Operation Lifesaver, through which Iowa railroads provide public education on highway/rail crossing safety.

Railroad Service in Iowa



Freight Service Provided by Railroads Operating in Iowa

December 31, 2001

Railroad Companies		Total Miles Owned/Leased	Percent of Iowa Total	Miles Operated Under Trackage Rights#
Class I	Burlington Northern Santa Fe (BNSF)	669	16.07	39
	Norfolk Southern (NS)	7	0.17	37
	Union Pacific (UP)	1,534	36.85	77
	Subtotal	2,210	53.09	153
Class II	Chicago Central (CC)**	558	13.40	0
	Dakota, Minnesota & Eastern (DME)	0	0.00	24
	Iowa Interstate (IAIS)	335	8.05	10
	I&M Rail Link (IMRL)***	651	15.64	9
	Subtotal	1,544	37.09	43
Class III	Appanoose County (APNC)	35	0.84	0
	Boone & Scenic Valley (BSV)	13	0.31	0
	Burlington Junction (BJRY)	4	0.10	0
	CBEC Railway (CBEC)	6	0.14	0
	Cedar Rapids & Iowa City (CIC)	60	1.44	0
	Cedar River (CEDR)**	83	1.99	0
	Council Bluffs Railway (CBGR) (a)	0	0.00	0
	D & I (DAIR)*	0	0.00	39
	Iowa Northern (IANR)	118	2.83	29
	Iowa Northwestern (IANW)	37	0.89	0
	Iowa Traction (IATR)	13	0.31	0
	Keokuk Junction (KJRY)	1	0.02	0
	Subtotal	370	8.89	68
Other	State of South Dakota	39	0.94	0
	Total	4,163	100	264

Note: Totals may vary due to rounding.

Totals do not reflect yard trackage and double main lines.

(a) Yard track only. No line haul freight during reporting period.

Rights obtained by one carrier to operate over the tracks of another carrier.

* The State of South Dakota owns the track that D & I operates under trackage rights.

** Owned and operated by the Canadian National Railway.

*** Acquired by the Iowa, Chicago & Eastern Railroad corporation (ICE) in July, 2002.

Figures as reported in annual reports for Class I, II or III railroads. Title 49, Code of Federal Regulations Part 1201, Section 1-1(a) classifies railroads by their level of operating revenues as adjusted annually for inflation. According to the AAR's 2000 Edition "Railroad Facts," the revenue threshold for Class I railroads is \$258.5 million or more in annual operating revenues. Class II railroads are those earning between \$20.7 million and \$258.5 million, and Class III railroads are those earning below \$20.7 million.

Federal-Aid Rail/Highway Crossing Safety Program

2003 Accomplishment Program

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Type Improvement	Federal Funds (90%)
	100046A			Statewide	PE 2003	\$55,009
Benton	190571R	UP	Benton Co.	19th Ave.	Signal	126,000
Buena Vista	307517D	CC	Storm Lake	Northwestern Dr.	Signal	98,000
Carroll	377911W	BNSF	Dedham	4th Ave.	Upgrade	93,000
Cerro Gordo	201871N	UP	Rockwell	Main St.	Upgrade	12,681
Clarke	074079F	BNSF	Clarke Co.	Kendall St.	Signal/Gate Arms	122,500
Clarke	074081G	BNSF	Clarke Co.	150th Ave.	Signal/Gate Arms	122,500
Crawford	308276V	CC	Crawford Co.	C Ave.	Upgrade	58,800
Harrison	191190F	UP	Harrison Co.	Corning Ave.	Signal/Gate Arms	120,000
Johnson	608015Y	IAIS	Tiffin	Railroad St.	Signal/Gate Arms	93,100
Johnson	840254H	CIC	North Liberty	Cherry St.	Signal	81,945
Lee	078035U	BNSF	Lee Co.	270th St.	Signal/Gate Arms	147,000
Lucas	079133N	BNSF	Lucas Co.	50E60S NW/C 1-71-20	Signal/Gate Arms	90,160
O'Brien	185863C	UP	DOT	U.S. 18, Sheldon	Signal/Gate Arms	148,500
Plymouth	307624T	CC	Plymouth Co.	K-64/Oyens Ave.	Signal/Gate Arms	58,800
Plymouth	381531W	DAIR	DOT	Ia. 403, Akron	Signal/Gate Arms	73,500
Polk	192658N	UP	Polk Co.	N.E. 29th	Upgrade	63,700
Polk	192663K	UP	Polk Co.	N.E. 38th St.	Upgrade	12,495
Polk	193017K	UP	West Des Moines	South 39th St.	Signal	98,000
Polk	199846C	UP	Des Moines	N.E. 54th Ave.	Signal/Gate Arms	120,000
Pottawattamie	378245M	CBEC	Council Bluffs	S. 6th St.	Signal/Gate Arms	84,000
Poweshiek	607492N	IAIS	Poweshiek Co.	Penrose St.	Signal/Gate Arms	90,000
Story	190695J	UP	Nevada	2nd St.	Upgrade	12,485
Story	190692N	UP	Nevada	10th St.	Upgrade	12,485
Story	190693V	UP	Nevada	8th St.	Upgrade	12,485
Story	190694C	UP	Nevada	6th St.	Upgrade	12,490
Wapello	062971H	BNSF	Wapello Co.	Chief Wapello Rd.	Upgrade	78,008
	100045A		Miscellaneous	Statewide	Low-Cost	50,000
Statewide		UP	Various		Signal/Upgrades	897,000

Federal-Aid Rail/Highway Crossing Safety Program

2003 Accomplishment Program

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Type Improvement	Federal Funds (60%)
Linn	307845V	CC	Cedar Rapids	H Ave. NE East of I-380	Surface Repair	\$43,370
Linn	307851Y	CC	Cedar Rapids	Oakland Rd. (700 block)	Surface Repair	42,722
Linn	307841T	CC	Cedar Rapids	Cold-Strm NE @ I-380	Surface Repair	42,291
Linn	307839S	CC	Cedar Rapids	42nd St. NE @ I-380	Surface Repair	62,993
Linn	190507S	UP	Cedar Rapids	2nd Ave. & 4th St. SE	Surface Repair	62,400
Linn	190506K	UP	Cedar Rapids	3rd Ave. & 4th St. SE	Surface Repair	85,800
Linn	190523B	UP	Cedar Rapids	Wilson Ave. SW (1000 block)	Surface Repair	39,000
Scott	603895N	IAIS	Davenport	N. Division St.	Surface Repair	49,590
Scott	604342V	IAIS	Davenport	Gaines St. and 5th St.	Surface Repair	45,600
Scott	393008N	IAIS	Davenport	Fairmount St.	Surface Repair	33,060
Scott	603892T	IAIS	Davenport	Marquette St. & W. 5th St.	Surface Repair	31,920
Polk	199846C	UP	Des Moines	N.E. 54th Ave.	Surface Repair	36,000
Webster	307353P	CC	Duncombe	Simpson St.	Surface Repair	56,199
Johnson	840252U	CIC	Coralville	NCL75E50S NW/C 12-80-7	Surface Repair	23,100
Johnson	606872S	IAIS	Iowa City	Scott Blvd.	Surface Repair	35,505
Story	876092K	UP	McCallsburg	2nd St.	Surface Repair	21,600
Johnson	840255P	CIC	North Liberty	W. Zeller St.	Surface Repair	22,200
Black Hawk	307127R	CC	Waterloo	Lafayette St.	Surface Repair	44,453
Black Hawk	607572G	IANR	Waterloo	18th St.	Surface Repair	22,831
Black Hawk	607576J	IANR	Waterloo	11th St.	Surface Repair	39,228
Black Hawk	307126J	CCP	Waterloo	North of Evans Rd.	Surface Repair	118,316
Total						\$4,000,000

Federal-Aid Rail/Highway Crossing Safety Program

2004 Accomplishment Program Candidates

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Type Improvement	Federal Funds (60%)
Black Hawk	308810X	CEDR	Janesville	7th St.	Signal	\$83,450
Bremer	308827B	CEDR	Waverly	Wilson Ave.	Motion Sensors	65,000
Cerro Gordo	606096U	IANR	Cerro Gordo Co.	S-62/Vine Ave.	Signal	80,000
Clay	385697P	ICE	Clay Co.	280th Ave.	Signal/Gate Arms	85,000
Clinton	865560W	ICE	Camanche	13th Ave.	Signal/Gate Arms	90,000
Crawford	308317X	CC	Crawford Co.	E-52/Q Ave.	12" LED Lens	11,000
Franklin	876168N	UP	Franklin Co.	Beeds Lake Rd.	Signal/Gate Arms	125,000
Franklin	876173K	UP	Franklin Co.	C-23 Near Chapin	Signal/Gate Arms	125,000
Harrison	308394X	CC	Harrison Co.	Lima Trail	Signal	110,000
Jasper	607964H	IAIS	Jasper Co.	S. 24th Ave. W	Signal	80,000
Johnson	840258K	CIC	Johnson Co.	75E 50S NW/C 24-80-7	Signal	120,000
Johnson	840260L	CIC	Coralville	Oakdale Blvd.	Signal	100,000
Linn	376726Y	CIC	Cedar Rapids	9th St. SW	Signal/Gate Arms	110,000
Linn	376727F	CIC	Cedar Rapids	10th St. SW	Signal/Gate Arms	110,000
Monroe	063226K	BNSF	Albia	S. 13th St.	Constant Warning Time	120,000
Monroe	063227S	BNSF	Albia	4th Ave. E	Constant Warning Time	120,000
Muscatine	607175J	ICE	Muscatine	Tombstone Trail	Signal/Gate Arms	150,000
Muscatine	607193G	ICE	Muscatine	Jefferson St.	Signal/Gate Arms	150,000
Plymouth	307617H	CC	Remsen	Marion St.	Constant Warning Time	65,000
Polk	079170R	BNSF	Des Moines	145th St.	Signal	110,000
Polk	484121J	BNSF	Polk Co.	S.E. Vandalia Dr.	Signal/Gate Arms	120,000
Polk	602473S	UP	Polk Co.	County Road	Closure/Road Relocation	200,000
Polk	607880M	IAIS	Polk Co.	N.E. 54th Ave.	Signal	75,000
Pottawattamie	378247B	CBEC	Council Bluffs	16th Ave.	Signal/Gate Arms	134,000
Pottawattamie	875737N	IAIS	Council Bluffs	S. 16th St.	Signal/Gate Arms	130,000
Shelby	378159R	BNSF	Shelby Co.	F-32/1500th St.	Constant Warning Time	53,000
Story	199653D	UP	Nevada	S-14 SW Nevada	Median Divider	20,000
Story	876071S	UP	Nevada	7th St.	Closure	5,000
Worth	195547G	UP	Joice	S-14	Signal	95,000
Wright	196313G	UP	DOT	River Ave.	Signal	100,000
	100045A		Miscellaneous	Statewide	Low-Cost	50,000

Federal-Aid Rail/Highway Crossing Safety Program

2004 Accomplishment Program Candidates

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Type Improvement	Federal Funds (60%)
Linn	307810U	CC	Alburnett	Extension of North St.	Surface Repair	\$34,948
Linn	307842A	CC	Cedar Rapids	J Ave. NE of I-380	Surface Repair	36,070
Chickasaw	385290Y	ICE	Chickasaw Co.	N. Pleasant Hill Ave.	Surface Repair	34,200
Pottawattamie	308448B	CC	Council Bluffs	2nd Ave.	Surface Repair	34,167
Polk	199848R	UP	Des Moines	N.E. 54th Ave.	Surface Repair	28,800
Polk	199847J	UP	Des Moines	N.E. 54th Ave.	Surface Repair	36,000
Cedar	606813P	IAIS	Durant	6th Ave.	Surface Repair	21,600
Cedar	606812H	IAIS	Durant	8th Ave.	Surface Repair	23,400
Cedar	606814W	IAIS	Durant	5th Ave.	Surface Repair	21,600
Emmet	875980D	UP	Emmet Co.	A-33/200th St.	Surface Repair	28,800
Palo Alto	385655D	ICE	Emmetsburg	Lawler St.	Surface Repair	28,985
Floyd	385442T	ICE	Floyd Co.	T-32/Lancer	Surface Repair	42,000
Johnson	909192K	IAIS	Iowa City	Benton at Gil Ct.	Surface Repair	35,775
Floyd	607704P	IANR	Marble Rock	Bradford St.	Surface Repair	39,178
Johnson	840258K	CIC	North Liberty	75E 50S NW/C 24-80-7	Surface Repair	23,100
Johnson	840250F	CIC	North Liberty	240th St.	Surface Repair	23,100
Johnson	840254H	CIC	North Liberty	Cherry St.	Surface Repair	22,200
Polk	192654L	UP	Polk Co.	NE 22nd St.	Surface Repair	36,000
Butler	607391C	IANR	Shell Rock	Cherry St.	Surface Repair	22,719
Benton	607942H	IANR	Shellsburg	Main St.	Surface Repair	17,975
Benton	607658R	IANR	Vinton	4th St.	Surface Repair	17,287
Black Hawk	307132M	CC	Waterloo	Dunham Pl.	Surface Repair	52,742
Black Hawk	307182R	CC	Waterloo	Leversee Rd.	Surface Repair	52,742
Black Hawk	307943L	CC	Waterloo	Columbia St.	Surface Repair	45,761
Black Hawk	307110M	CC	Waterloo	Evans Rd.	Surface Repair	52,742
Black Hawk	607573N	IANR	Waterloo	15th St.	Surface Repair	13,535
Black Hawk	607569Y	IANR	Waterloo	Mitchell Ave.	Surface Repair	44,788
Black Hawk	607565W	IANR	Waterloo	Cedar Terrace Dr.	Surface Repair	17,496
Bremer	308828H	CEDR	Waverly	5th Ave.	Surface Repair	49,412
Total						\$4,000,000

Federal-Aid Rail/Highway Crossing Safety Program

2005 Accomplishment Program Candidates

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Type Improvement	Federal Funds (60%)
Linn	307843G	CC	Cedar Rapids	Hubbard Ave. NE	Surface Repair	\$35,326
Floyd	607710T	IANR	Floyd Co.	T-26/Hickory	Surface Repair	21,770
Butler	607689P	IANR	Greene	Traer St.	Surface Repair	122,204
Butler	607690J	IANR	Greene	Dows St.	Surface Repair	62,650
Butler	607691R	IANR	Greene	Ely St.	Surface Repair	37,575
Story	190711R	UP	ISU	Scholl Rd.	Surface Repair	56,160
Linn	307805X	CC	Linn Co.	E-16/Central City Rd.	Surface Repair	37,830
Sac	190946B	CC	Odebolt	Main St.	Surface Repair	89,049
Sac	190947H	CC	Odebolt	Walnut St.	Surface Repair	66,630
Benton	607655V	IANR	Vinton	D Ave.	Surface Repair	40,056
Benton	607656C	IANR	Vinton	E Ave.	Surface Repair	20,648
Black Hawk	307491X	CC	Waterloo	David St.	Surface Repair	52,800
Black Hawk	607561U	IANR	Waterloo	Foult Rd.	Surface Repair	19,525
Black Hawk	607564P	IANR	Waterloo	East Shaulis Rd.	Surface Repair	14,823
Total						\$677,046

2003 Iowa Grade Crossing Surface Repair Program

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Crossing Surface Repair Fund (60%)
O'Brien	385739Y	ICE	O'Brien Co.	330th St.	\$30,000
O'Brien	385748X	ICE	Hartley	S. 1st St. W	30,000
O'Brien	385772Y	ICE	O'Brien Co.	L-36/Nettle Ave.	30,000
O'Brien	385755H	ICE	O'Brien Co.	L-54/Taft	30,000
O'Brien	385765N	ICE	O'Brien Co.	L-48/Redwing Ave.	30,000
Jackson	376090R	ICE	Bellevue	Park St.	35,000
Linn	190505D	UP	Cedar Rapids	4th Ave. & 4th St. SE	62,400
Linn	190504W	UP	Cedar Rapids	5th Ave. & 4th St. SE	62,400
Delaware	307044C	CC	Delaware Co.	W-63/110th Ave.	22,716
Palo Alto	875825Y	UP	Emmetsburg	Lake Shore Dr.	42,300
Polk	607886D	IAIS	Polk Co.	Cotton Ave. NW	36,360
Franklin	201634C	UP	Hampton	1st St. NE	109,200
Scott	603897C	IAIS	Davenport	W. Third St.	50,160
Scott	603896V	IAIS	Davenport	W. 4th St.	62,700
Pottawattamie	603146K	IAIS	Council Bluffs	S. 8th St.	44,151
Dallas	192979V	UP	Dallas Co.	R-16/Quinlan Ave.	36,000
Black Hawk	200786V	IANR	Waterloo	Jefferson	23,833
Black Hawk	200785N	IANR	Waterloo	Commercial	20,747
Black Hawk	607571A	IANR	Waterloo	Hawthorne Ave.	18,169
Boone	271484M	BSV	Boone	N. Linn St.	36,000
Kossuth	385623X	ICE	Kossuth Co.	P-20/40 Ave.	28,860
Hardin	876114H	UP	Hardin Co.	D-41	57,600
Total					\$898,596

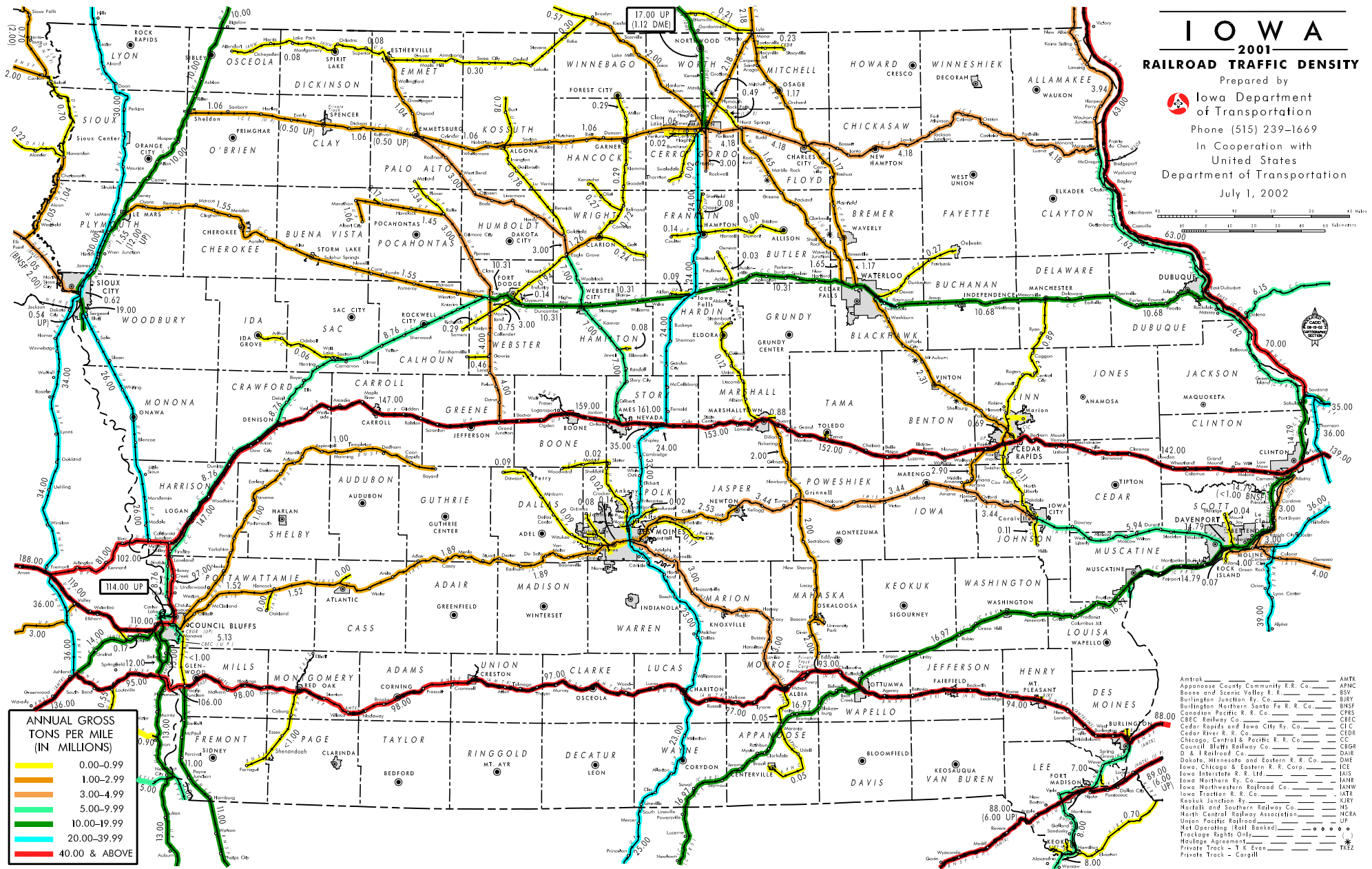
2004 Iowa Grade Crossing Surface Repair Program

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Crossing Surface Repair Fund (60%)
Hardin	876099H	UP	Hardin Co.	S-27/Garden City	\$86,400
Scott	606803J	IAIS	Scott Co.	Y-40/70 Ave.	34,500
Hardin	876135B	UP	Iowa Falls	Rocksylvania	43,481
Story	876091D	UP	McCallsburg	1st St.	64,800
Pocahontas	196913J	UP	Pocahontas Co.	N-28/130th Ave.	28,800
Hardin	876129X	UP	Hardin Co.	140th St.	36,000
Hardin	307286X	CC	Hardin Co.	JJ Ave.	30,376
Franklin	201914E	UP	Franklin Co.	C-31/170th St.	28,800
Franklin	201629F	UP	Hansell	Main St./S-56	64,800
Franklin	876168N	UP	Franklin Co.	170th St.	28,800
Franklin	201638E	UP	Franklin Co.	Nettle Ave.	21,600
Franklin	201543W	UP	Coulter	Main St./S-25	57,600
Franklin	201911J	UP	Franklin Co.	C-25/190th St.	28,800
Black Hawk	307131F	CC	Waterloo	Nevada St.	125,391
Black Hawk	307948V	CC	Waterloo	Barclay St.	24,832
Sac	190927W	CC	Wall Lake	Center St.	34,125
Polk	192757L	UP	Polk Co.	N.E. 58th Ave.	28,800
Polk	192658N	UP	Polk Co.	N.E. 29th St.	57,600
Polk	271562S	UP	Polk Co.	N.E. 58th Ave.	28,800
Linn	307840L	CC	Cedar Rapids	McCloud Pl. NE	24,242
Total					\$878,547

2005 Iowa Grade Crossing Surface Repair Program

County	Federal ID#	Railroad	Highway Jurisdiction	Road Location	Crossing Surface Repair Fund (60%)
Linn	307844N	CC	Cedar Rapids	"I" Ave. NE	\$36,101
Johnson	840260L	CIC	Coralville	Oakdale Blvd.	19,200
Linn	607865K	IANR	Linn Co.	Linn Dr.	16,149
Linn	607868F	IANR	Palo	1st St.	23,748
Pottawattamie	199852F	UP	Council Bluffs	14th Ave.	37,560
Total					\$132,758

Railroad Freight Traffic Density





River

River

River Program

Nearly 500 miles of the Mississippi and Missouri rivers along Iowa's borders are open for commercial navigation during part of each year. These rivers provide shippers a gateway to an extensive inland waterway system that has access to ports in the Twin Cities, Chicago, Pittsburgh, Houston and New Orleans. Most docks in Iowa are privately owned and all are privately operated.

Role of the Department of Transportation

The Department promotes commercial navigation and participates in policy and resource use forums. The DOT works closely with Iowa state agencies, other states, the U.S. Army Corps of Engineers, and the Coast Guard regarding resource management of the Mississippi and Missouri rivers.

The DOT does not provide funding for barge terminal or navigation system improvements. Department funding is available, however, for associated rail and roadway improvements which support economic development.

Navigation Safety

The U.S. Coast Guard establishes and enforces navigation and equipment regulations, tests and licenses pilots and deck hands, and maintains physical aids to navigation. Coast Guard responsibilities include search and rescue, enforcement of the Federal Water Pollution Control Act, and a program for recreational boating safety.

Resource Management

The Department works closely with state and federal agencies and private organizations involved in developing, administering and implementing resource management plans. Issues include channel maintenance and placement of dredged material, response to low-water conditions and other aspects of Corps operations, and multipurpose management of the rivers.

Current Policy Issues - Mississippi River

The Corps of Engineers has been conducting system-wide studies of the navigation facilities on the Upper Mississippi River and the Illinois Waterway. After a one-year delay while the study process was reviewed, the efforts are once again underway. The study review has resulted in a change in scope. The Corps has been directed to determine how to "relieve lock congestion, achieve an environmentally sustainable navigation system, and address ecosystem and flood plain management needs related to navigation in a holistic manner." The current schedule calls for a final report in 2004. The Department actively participates in advisory committees that review studies and coordinate with the Corps at each step of the process.

Current Policy Issues - Missouri River

Management of Missouri River impoundments and flows has become a significant issue for various beneficiaries of the river system, including freight shippers. Releases of water from Missouri River basin reservoirs have a significant effect on Missouri and Mississippi river operations. Previous drought conditions have caused shortened navigation seasons on the Missouri River, and narrower channels, lighter barge loadings and longer transit times on both the Missouri and the Mississippi rivers.

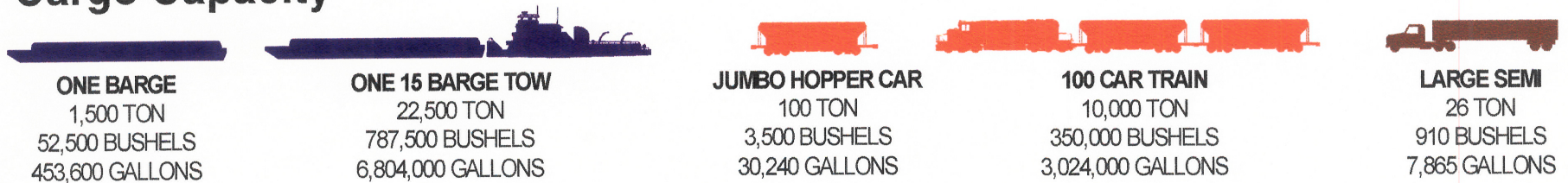
These conditions prompted the Missouri River Division of the Corps of Engineers to initiate a research program to determine the best use of impounded water under various weather conditions. A revised draft environmental impact statement (EIS) addressing various proposals for Missouri River resource management was released in August 2001. A new operations plan is expected to be implemented in 2003.

Department Information and Services

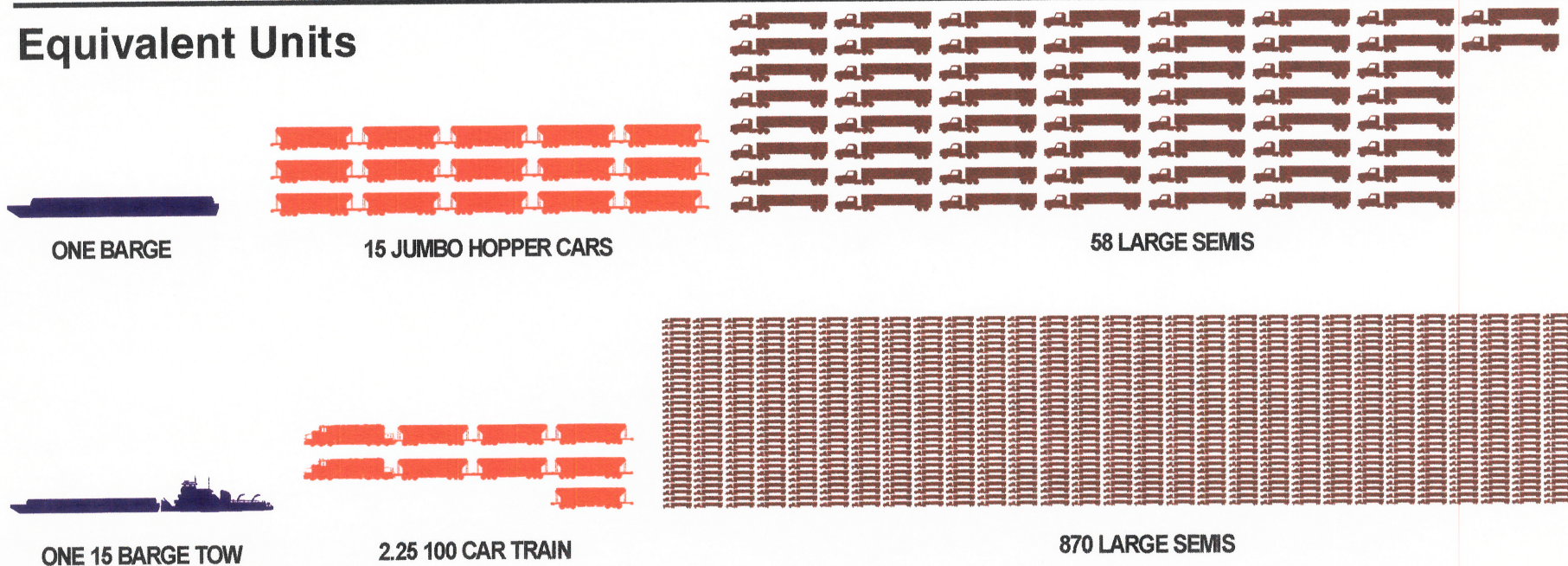
Information about commercial navigation may be obtained from the Iowa Department of Transportation, Modal Division, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1653.

Compare...

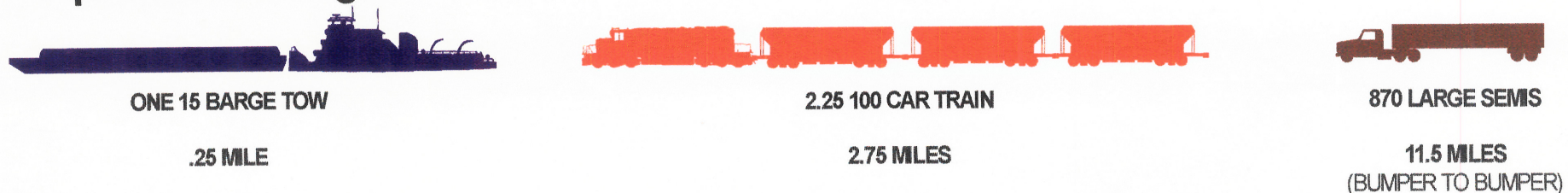
Cargo Capacity



Equivalent Units



Equivalent Lengths



Trails

Trails Program

The State Trails Program was created by the Iowa Legislature in 1988 to acquire, develop, promote and manage existing and new trails for recreation and tourism activities. The Trails Program was initially divided into two phases: development of a long-range plan for the acquisition, development, promotion and management of recreation trails throughout the state; and granting funding assistance to individual trail projects. The Trails Program is funded by an annual appropriation of \$1 million from the Rebuild Iowa Infrastructure Fund. However, no funding was appropriated for FY 2003 for new projects.

Representatives from the departments of Natural Resources, Economic Development and Cultural Affairs assisted the Department of Transportation in developing the structure of the Trails Program and in selecting projects.

The Trails Funding Assistance Program provides funds to establish transportation and recreation trails in Iowa for the use and enjoyment of the public. Eligible applicants include state and local government agencies, municipal corporations, counties and nonprofit organizations. Private organizations must have a government agency as a co-sponsor. The program is restricted to the acquisition, construction or improvement of trails open for public use, or trails which will be dedicated to public use when completed. A proposed trail project must meet the following requirements:

- The project must be part of a local, area-wide, regional or statewide plan.
- The trail route must be designed to allow enjoyment of scenic views or points of historical interest, and to maximize safety.
- The project must include a contribution of at least 25 percent matching funds from other sources. This match is not to include grants from other state agencies or provision of in-kind services.

Deadlines for applications are January 2 and July 1 of each year.

Applications are evaluated primarily on the basis of whether the predicted use of the trail justifies construction and maintenance costs including, but not limited to, the following criteria:

- need, in terms of the population to be served and existing trails in the area (up to 25 points);
- compatibility with local, area-wide, regional or statewide plans (up to 15 points);
- benefits of multiple uses and recreational opportunities (up to 20 points);
- quality of the site (up to 25 points);
- economic benefits to the local area (up to 10 points); and
- special facilities for the handicapped (up to 5 points).

Final funding commitments are the responsibility of the Iowa Transportation Commission.

Department Information and Services

Requests for application forms or additional information should be addressed to the Iowa Department of Transportation, Office of Systems Planning, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1669.

Federal Recreational Trails Program

The federal Recreational Trails Program is an assistance program of the U.S. Department of Transportation's Federal Highway Administration (FHWA) and provides funding for both motorized and nonmotorized trail projects.

The federal Recreational Trails Program funding represents a portion of the revenue received by the Federal Highway Trust Fund from the federal motor fuel excise tax paid by users of off-road recreational vehicles such as snowmobiles, off-road motorcycles, all-terrain vehicles and off-road light trucks.

The federal Recreational Trails Program made \$7.5 million available in 1993, and \$15 million in 1996 and in 1997. The Transportation Equity Act for the 21st Century (TEA-21) legislation has allocated \$30 million nationwide for 1998, \$40 million for 1999, and \$50 million per year for 2000-2003.

Funding Distribution - Federal Level

FHWA may use up to 3 percent of the funds for program administration and related research and technical assistance. The remainder of the funds are distributed to the states. Half of the funds are distributed equally among all states and half are distributed in proportion to the amount of off-road recreational fuel use in each state.

Funding Distribution - State Level

Each state administers its own program, usually through a state resource or park agency. Each state establishes its own procedures to solicit and select trail projects for funding. Iowa has chosen to have applications for funding assistance postmarked by October 1.

States may use up to 7 percent of their funds for administrative costs, including trail planning. The remaining funds are for projects from the following categories:

- providing trail-related safety and environmental protection education (up to 5 percent of a state's funding allocation);
- maintaining existing trails, including grooming trails across snow;
- restoring damaged trails or areas damaged by trail-related use;
- providing trail access for people with disabilities;
- developing trailside or trailhead facilities;
- purchasing or leasing equipment for trail construction, maintenance, or grooming;
- acquiring easements or property for trails; and
- constructing new trails.

Iowa gives extra credit in their selection criteria to projects that benefit multiple trail uses.

States may provide grants to city and county governments, and other government entities, including federal agencies and special government districts.

Project sizes vary by state. Iowa has a minimum \$5,000 grant amount. Iowa does not have a maximum allowable grant amount.

The maximum federal share for each project is 80 percent. The remaining amount must come from state, local or private funding sources. Other federal funding sources may not be used as matching funds. Some in-kind materials and services may be permitted toward the project match.

Project payment takes place on a reimbursement basis. The project sponsor must incur costs for work actually completed (after FHWA approval and execution of a contract) and then submit documentation to the state for payment.

Department Information and Services

Applications, program requirements and information concerning criteria for project selection may be obtained by contacting the Iowa Department of Transportation, Office of Systems Planning, 800 Lincoln Way, Ames, Iowa 50010, telephone 515-239-1669; or the Iowa Department of Natural Resources, Parks, Recreation, and Preserves Division, Wallace State Office Building, 900 Grand Avenue, Des Moines, Iowa 50319, telephone 515-281-5145.

Approved Federal Trails Projects Federal Fiscal Year 2003

Trail Name	Funds Awarded	Date of Commission Approval
Grant Wood Recreational Trail, Phase II	\$ 217,520	03/12/02
Clear Creek Greenbelt, Phase II (Coralville)	214,302	03/12/02
Riprow Valley Trail Head (Dubuque)	123,548	03/12/02
Sergeant Road Trail (Waterloo/Hudson)	203,245	03/12/02
Nicholson-Ford OHV Area (Marshalltown)	30,682	03/12/02
Snowmobile Groomer Purchase (Iowa DNR)	160,000	03/12/02
Bluff Creek OHV Park Trail Head(Mahaska Co.)	81,120	03/12/02

State Park & Institutional Roads

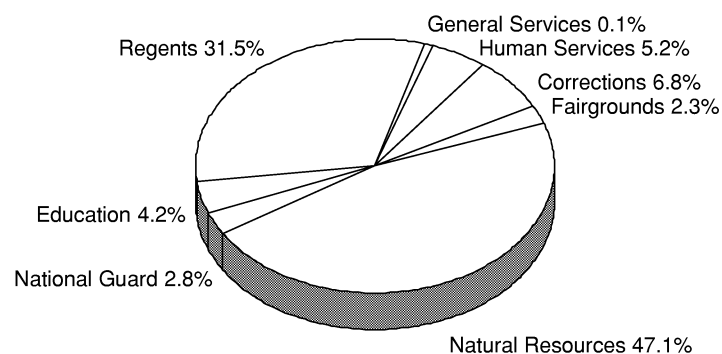
State Park and Institutional Roads Program

One of the duties of the Iowa Transportation Commission is to construct, reconstruct, improve and maintain roadways, including bridges, within state-owned lands. More than \$100 million has been expended by the Park and Institutional Roads Program for roadway maintenance and improvement projects since specific funding was created for this program by the Legislature in 1960.

Program funding is intended for roads or streets within the boundaries of state parks, institutions, other state agencies, or community colleges. There are nearly 500 miles of roadways in the Park and Institutional Roads System. State agencies participating in the program are the Department of Corrections, the Department of Education, the State Fair Board, the Department of Human Services, the Iowa National Guard, the Department of Natural Resources, the Board of Regents, and the Department of General Services.

Park and Institutional Roads Program projects were constructed at more than 20 locations during 2002.

Funding Distribution
1998 Need Study

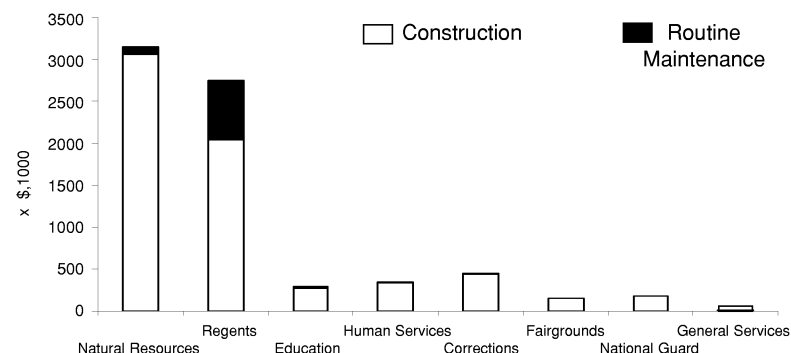


Program Funding

Sixty-five one-hundredths of one percent of the Road Use Tax Fund is allocated for maintenance and improvement of the State Park and Institutional Roads System. Apportionment of funds among agencies is based on the agencies' relative needs, as determined by the DOT's Quadrennial Need Study. The current study addresses maintenance and improvements for 1998 through 2017.

The first priority of the Park and Institutional Roads Program is maintenance and preservation of existing facilities. A portion of each agency's allocation is reserved for routine maintenance. Remaining funds may be used for reconstruction or improvement of existing roads or construction of new ones.

Apportionment of Estimated 2003 Allocations

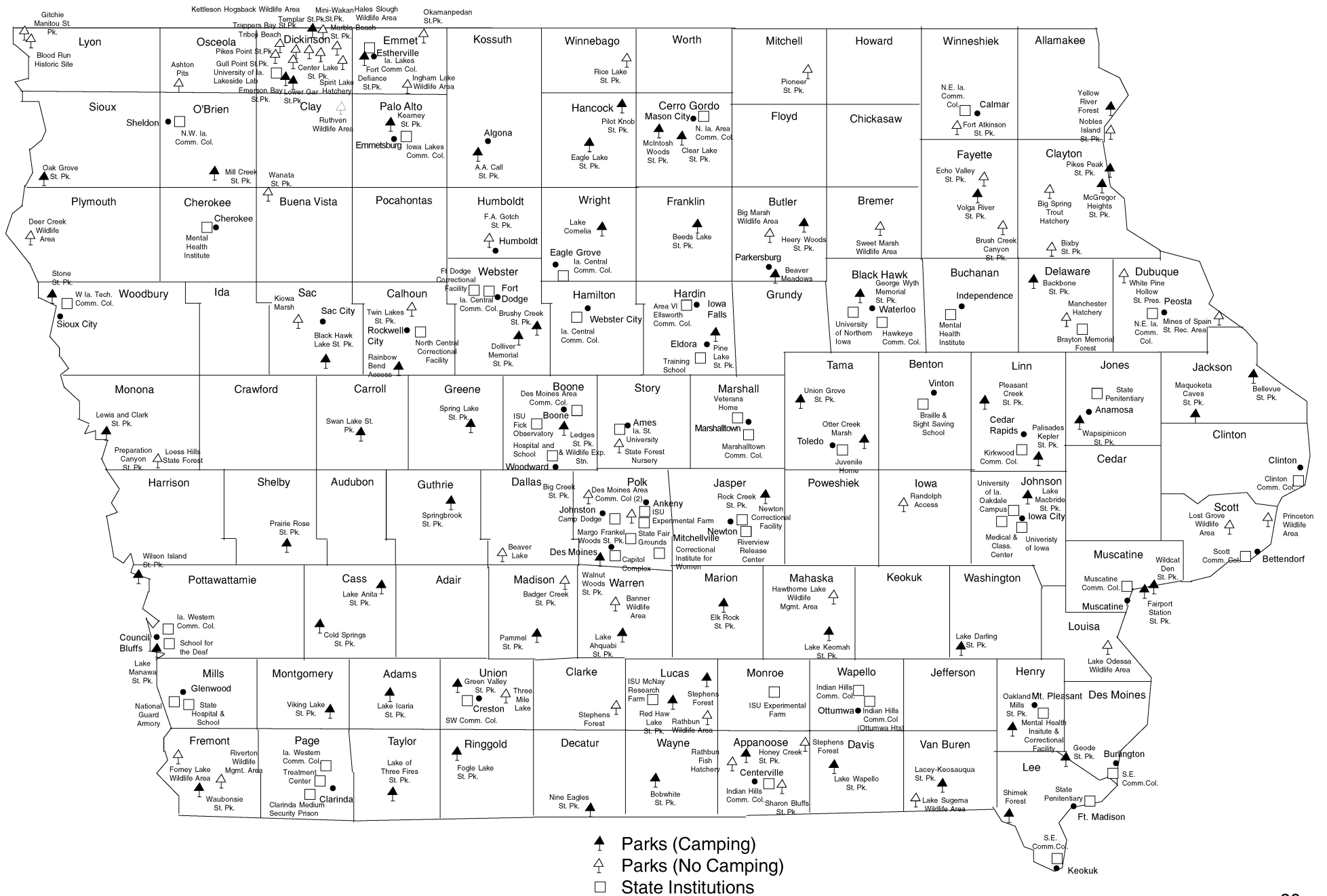


Programming

Work is funded at the request of the agencies that have jurisdiction over the respective roadways. Each year participating agencies are provided projections of allocations for ensuing years. Determination of project priorities and schedules is the responsibility of each agency. All projects are reviewed by the Department to ensure consistency with Park and Institutional Roads Program policies and standards.

Project candidates for 2003 through 2007 are listed on the following pages. Some recommended projects may not be done during the period of this program. Accomplishments will depend on actual program income, annual maintenance expenditures, project costs, and priorities of participating agencies. Program dollars are shown in the year construction or project phases are proposed to begin. The program dollars listed are the estimated share of project costs from the Park and Institutional Roads Fund.

Park and Institutional Roads System



Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Department of Corrections							
State Penitentiary, Fort Madison	Lee					\$60,000	
Resurface Transmitter Drive & replace							
Farm 1 & 3 roadways							
Replace drive west of Power House						\$40,000	
Iowa Medical Classification Center, Oakdale	Johnson						
Replace front drive to Administration Building		0.04			\$40,000		
Relocate Perimeter Drive for expansion		0.33			\$250,000		
North Central Correctional Facility, Rockwell City	Calhoun						
Resurface and widen road					\$213,000		
Newton Correctional Facility, Newton	Jasper						
Riverview Release Center Site							
New road to rifle range		0.50		\$200,000			
Overlay drive to front gate		0.10		\$80,000			
Resurface Maintenance Shop Drive		0.14		\$70,000			
Clarinda Correctional Facility, Clarinda	Page						
Construct Entrance Road			\$70,000				
Mount Pleasant Correctional Facility, Mount Pleasant	Henry						
New NW perimeter road extension		0.09	\$85,000				
Resurface NW perimeter road		0.31	\$155,000				
Rehabilitation of main access to US 34		0.50	\$48,000				
Correctional Institution for Women, Mitchellville	Polk						
Rehabilitation of service and maintenance drive		0.30		\$18,000			
Men's Reformatory, Anamosa	Jones						
Pave north road from West Road to High St		0.20		\$150,000			
Paint quarry bridge						\$60,000	
Repair quarry bridge						\$150,000	
Fort Dodge Correctional Facility, Fort Dodge	Webster						
Roadway maintenance				\$12,000			
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Department of Education							
Iowa Valley Community College, Marshalltown Resurface College Drive	Marshall		\$200,000				
Des Moines Area Community College, Ankeny Concrete repairs on DMACC Blvd	Polk			\$125,000			
Western Iowa Tech Community College, Sioux City Building H Drive	Woodbury					\$21,500	
Cherokee Drive						\$31,800	
Construct access to rear of facility						\$32,500	
Southwestern Community College, Creston Reconstruct south main entrance	Union					\$120,000	
Indian Hills Community College, Ottumwa Airport Campus							
Repair & resurface 10th St, 6th St, & College Ave	Wapello	1.32					\$295,000
Department of General Services							
Iowa State Capitol Complex, Des Moines No projects programmed	Polk						
State Fair Board							
State Fairgrounds, Des Moines No projects programmed	Polk						
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Department of Human Services							
Training School, Eldora Roadway resurfacing/repairs/sealing	Hardin		\$81,000		\$60,000		\$9,300
Veterans Home, Marshalltown 9th St culvert repairs Street/culvert repairs	Marshall				\$155,000	\$280,000	
Mental Health Institute, Cherokee Cottage on the Hill paving Roadway & structure repairs Road repairs, tunnels/bridges	Cherokee			\$80,000	\$149,000		\$80,000
Resource Center, Glenwood Independence St & Indian Hills Drive Orchard St roadway repairs Lacey St & Buckner St intake repairs	Mills			\$280,000 \$40,000 \$60,000			
Resource Center, Woodward Road repairs Replace boulevard road	Dallas				\$175,000		\$89,000
Mental Health Institute, Independence Pavement rehab of interior roads with curbs	Buchanan						\$76,700
National Guard							
Knoxville Readiness Center Roadway paving	Marion			\$101,000			
Sioux City Readiness Center Roadway paving	Woodbury				\$82,000		
Fort Dodge Readiness Center Roadway paving	Webster				\$49,000		
Le Mars Readiness Center Roadway paving	Plymouth					\$83,000	
Jefferson Readiness Center Roadway paving	Greene					\$65,000	
Camp Dodge, Johnston Main & Des Moines Ave resurface and widen	Polk						\$500,000
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Department of Natural Resources							
Banner Wildlife Area Roadway surfacing	Warren	2.5	\$300,000				
Lost Grove Wildlife Area Road construction	Scott	2.02	\$370,000				
Lewis & Clark State Park Road construction	Monona	1.00	\$385,000				
Shimek State Forest Roadway renovation	Lee	2.75	\$130,000				
East Okoboji Beach Surface existing road	Dickinson	0.15	\$41,000				
Mines of Spain Surface existing road	Dubuque	0.15	\$34,000				
Green Island Wildlife Management Area Roadway surfacing	Jackson	0.10	\$53,000				
Lacey Keosauqua State Park Resurface roads	Van Buren	4.50	\$590,000				
Springbrook State Park Construct box culvert	Guthrie		\$250,000				
Sugema Wildlife Management Area Roadway surfacing	Van Buren	0.50	\$80,000				
Upper Iowa River Access Roadway surfacing	Winneshiek	0.55	\$194,000				
Brushy Creek Surface existing road	Webster	1.00		\$300,000			
Three Mile Lake Road development & renovation	Union			\$175,000			
Volga River Resurface roads	Fayette	2.00		\$150,000			
Badger Creek Surface existing road	Madison	0.50		\$115,000			
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Bays Branch Wildlife Area-Hwy 44 Access Surface existing road	Dallas	0.50		\$101,000			
Bays Branch Wildlife Area-Perry Access Surface existing road	Dallas	0.20		\$60,000			
Green Valley State Park Resurface roads	Union	1.60		\$280,000			
Preparation Canyon State Park Roadway surfacing	Monona	1.75		\$400,000			
Lake Ahquabi State Park Surface existing road	Warren	0.20		\$90,000			
Lake Manawa State Park Road development & renovation	Pottawattamie			\$100,000			
Rand Access Wildlife Area Surface existing road	Harrison	0.30		\$95,000			
Prairie Rose State Park Resurface road, surface existing road	Shelby	0.60		\$134,000			
Pleasant Creek State Park Surface existing roads	Linn	0.50			\$114,000		
Bellevue Research Station Surface existing road	Jackson	0.10			\$50,000		
Lake Macbride State Park Resurface roads	Johnson	4.00			\$700,000		
George Wyth State Park Surface existing road	Black Hawk	0.35			\$70,000		
Backbone State Park Resurface roads	Delaware	4.00			\$650,000		
Maquoketa Caves State Park Surface existing road	Jackson	0.25			\$90,000		
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Coralville Wildlife Management Area Surface existing road	Johnson	0.50			\$110,000		
Elk Creek Wildlife Management Area Surface existing road	Worth	0.50			\$110,000		
Aldo Leopold Wildlife Management Area Surface existing road	Bremer				\$110,000		
Blue Lake Wildlife Area Surface existing road	Monona	0.40				\$112,000	
Sunset Island Wildlife Area Surface existing road	Monona	0.70				\$180,000	
Kearney State Park Surface existing road	Palo Alto	0.20				\$81,000	
Clear Lake State Park Resurface road	Cerro Gordo	0.20				\$70,000	
Mini-Wakan State Park Resurface roads	Dickinson	0.30				\$85,000	
Ventura Access Surface existing road	Cerro Gordo	0.20				\$185,000	
McIntosh Woods State Park Resurface roads	Cerro Gordo	0.50				\$112,000	
Stone State Park Resurface roads	Woodbury	1.00				\$168,000	
Bobwhite State Park Resurface roads	Appanoose	1.10				\$180,000	
Southfork Access Surface existing road	Appanoose	0.20				\$90,000	
Campground Road Renovation Roadway surfacing	Statewide					\$300,000	
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Trumbull Lake Wildlife Management Area Road development & renovation	Clay					\$225,000	
Yellow River State Forest Road development & renovation	Allamakee					\$350,000	
Viking Lake State Park Road development & renovation	Montgomery						\$60,000
Shimek State Forest Road development & renovation	Lee						\$250,000
Odessa Wildlife Management Area Surface existing road	Louisa	0.10					\$60,000
Stephens State Forest Upgrade existing road	Lucas	1.00					\$220,000
Viking Lake State Park Resurface road	Montgomery	0.10					\$60,000
Margo Frankel State Park Resurface roads	Polk	0.30					\$84,000
Springbrook State Park Resurface roads	Guthrie	3.00					\$1,300,000
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							

Agency Project Location /Description	County	Mileage	2003 Accomplishment Program	Park & Institutional Roads Projects Planning Program			
				2004	2005	2006	2007
			Amount	Amount	Amount	Amount	Amount
Board of Regents							
Iowa School for the Deaf, Council Bluffs Special maintenance	Pottawattamie		\$134,000				
Iowa State University, Ames	Story						
Annual special maintenance			\$40,000	\$50,000	\$50,000	\$50,000	\$50,000
Pavement Management System			\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Pammel Drive street lighting improvement						\$28,000	\$31,000
Union Drive/Knoll Road reconstruction					\$980,000		
Winlock Road relocation			\$200,000				
13th St overlay				\$245,000			
Blankenburg Drive overlay					\$55,000		
Knoll Road service court						\$477,000	
Bissell Road/Koosier Drive							\$40,000
Knoll Road overlay						\$151,000	
Stange Road storm sewer			\$135,000				
Morrill Road reconstruction					\$25,000		\$389,000
Scholl Road RR crossing							\$42,000
Scholl Road patch/seal			\$40,000				
Wallace Road narrowing			\$20,000				
Marston Court curb replacement							
University of Iowa, Iowa City	Johnson						
Roadway repairs/special maintenance			\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
US 6 pedestrian overpass resurfacing			\$70,000				
University of Northern Iowa, Cedar Falls	Black Hawk						
Reconstruct Missouri St (Gilchrist Drive North)			\$85,000				
22nd St Extension			\$222,000				
Reconstruct Price Lab Service Drive		0.10				\$115,000	
UNI Dome Drive North					\$60,000		
Science Drive							\$28,000
Reconstruct 27th St from Hudson Road to Ohio St		0.17		\$232,000			
Indiana St (South of 23rd St)				\$30,000			
31st St (West of Kansas St)					\$260,000		
Campus St from Universtiy Ave to Visitor Info Center				\$45,000			
Campus St (South of University Ave)						\$85,000	
South Campus Drive East							\$563,000
Project funding is dependent upon determination of eligibility under the Park & Institutional Roads Program. Project costs shown are estimates only. Annual programs will be adjusted as necessary to remain within annual appropriations.							



Revitalize Iowa's Sound Economy (RISE)

Revitalize Iowa's Sound Economy (RISE)

The RISE Fund was created by the Iowa Legislature in 1985 to promote economic development in Iowa through construction or improvement of roads and streets. Funded by a 1.55-cent-per-gallon motor fuel tax, the RISE Program currently receives approximately \$30 million annually.

Representatives of all levels of local government, private sector business leaders and developers aided the Iowa Department of Transportation in developing the direction and structure of the RISE Program. The program is designed to target value-adding activities, provide maximum economic benefits, emphasize local involvement and initiative, and address situations requiring an immediate response and commitment of funds.

RISE funding assists the efforts of local communities to attract industries to Iowa, as well as to expand existing ones. Since its beginning, RISE has assisted in creating or retaining more than 31,000 jobs. In addition, many other jobs may be created as new and expanding industries take advantage of land which is opened up for development with the help of RISE funding.

Several factors must be considered when evaluating RISE applications. These factors include: the effect on competition; the economic impact to the state; the quality of jobs to be assisted; and a business record of law violations.

The Code of Iowa provides that 32.3 percent of the funding be spent on city streets, 3.2 percent on secondary roads, and 64.5 percent on primary roads. City and county governments can apply for the city street and secondary road funds. Primary road RISE funds are deposited directly into the Primary Road Fund for use on the Commercial and Industrial Network. Commercial and Industrial Network projects are initiated by the Department through its normal programming process. The Iowa Transportation Commission selects the projects to be funded, regardless of jurisdiction.

There are two types of projects which may be funded under the RISE Program.

Immediate Opportunity Projects

This category is reserved for projects which are related to an immediate, nonspeculative opportunity for permanent job creation or retention. The applicant should be in the process of negotiating a location or retention decision with a developer or firm, and must be able to demonstrate that an immediate funding commitment is essential to influence the job location or retention decision.

Applications are presented to the Iowa Transportation Commission for a decision as quickly as possible following a reasonable period for review and evaluation.

Local Development Projects

This category is for projects which support local economic development, but which do not require an immediate commitment of funds or do not meet the threshold set for Immediate Opportunity projects. These projects are selected through a competitive evaluation process conducted semiannually. Deadlines for submittal are February 1 and September 1 of each year.

RISE Overview

A summary of the 28 projects awarded funding during FY 2002 is included.

Department Information and Services

Requests for application forms or additional information about this program should be addressed to the Iowa Department of Transportation, Office of Systems Planning, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1669.

RISE Immediate Opportunity Projects

Fiscal Year 2002 (July 1, 2001 - June 30, 2002)

Applicant Name	Business Type Involved	RISE Funds Approved	Total Road Project Cost	Percent of Non-RISE Participation	Jobs Assisted	Total Capital Investment (Non-RISE)	Date of Commission Approval
Earling	Mfg.	\$ 81,400	\$ 121,506	33%	23	\$ 575,700	07/17/01
Keokuk	Mfg.	335,000	475,000	29.5%	61	2,640,000	08/14/01
Coon Rapids	Wrhse-Dist	74,088	92,610	20%	18	770,650	08/14/01
Cedar Falls	Wrhse-Dist	974,522	1,218,152	20%	445	88,085,000	09/18/01
Hardin County	Ethanol	120,000	192,031	37.5%	20	17,855,000	11/06/01
Delaware County	Ethanol	125,406	156,757	20%	23	18,055,000	12/11/01
Cherokee County	Ethanol	240,000	719,750	66.7%	40	54,000,000	03/12/02
Elkader	Mfg.	123,278	154,097	20%	30	2,371,193	05/07/02
Floyd County	Mfg.	997,120	1,246,544	20%	300	12,500,000	06/18/02
Mount Pleasant	Mfg-Food	117,640	147,050	20%	250	6,869,698	06/18/02
Totals—10 Approved Projects		\$ 3,188,454	\$ 4,523,497		1,210	\$203,722,241	
Averages—10 Approved Projects		\$ 318,845	\$ 452,350		121	\$ 20,372,224	

1. The total "RISE Funds Approved" includes both grant and loan funding.

2. All calculations are based on the effective cost to the RISE program which includes the net present value of any loan repayment.

RISE Local Development Projects

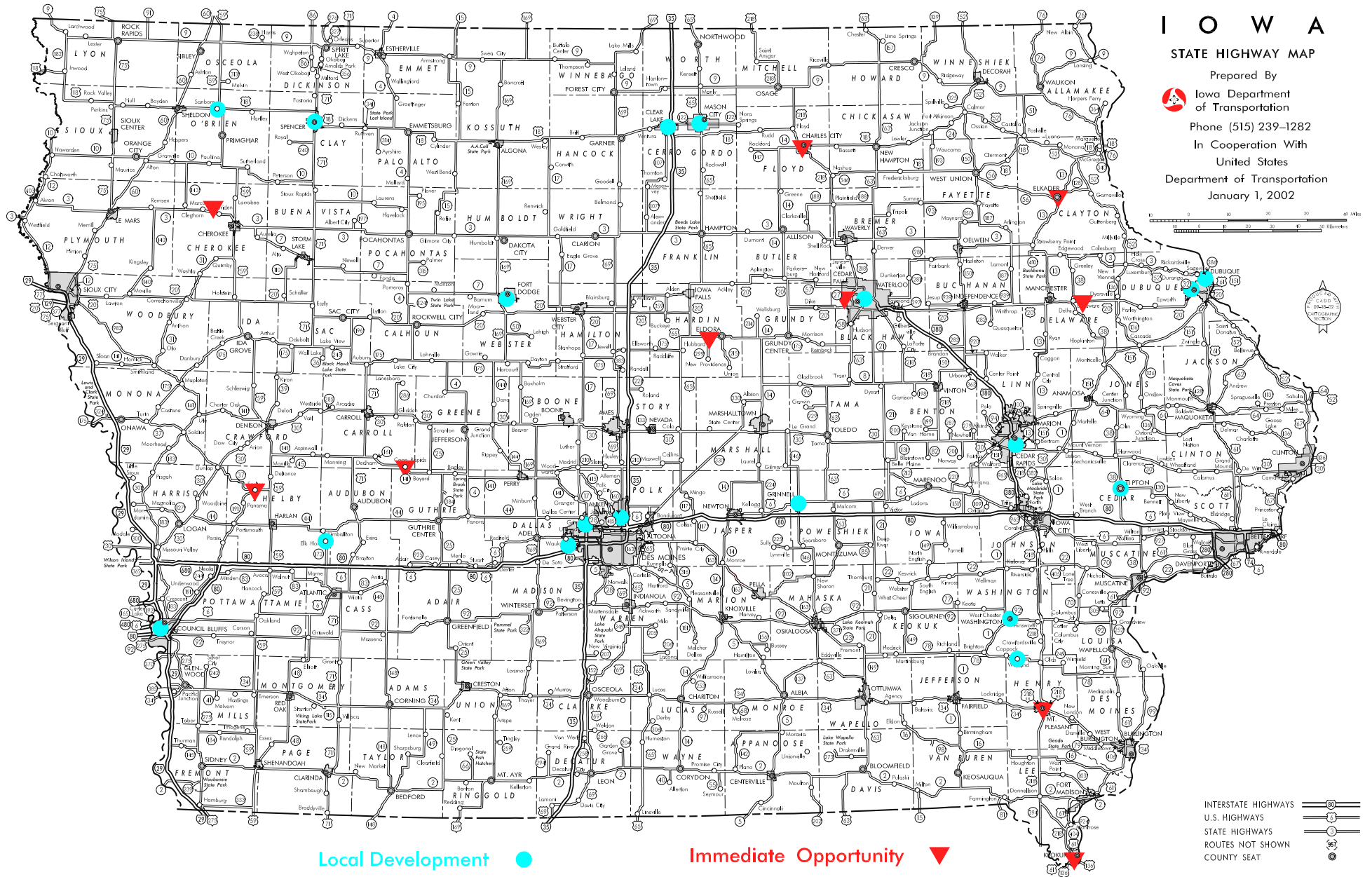
	Applicant Name	Company/Site Involved	RISE Funds Approved	Total Road Project Cost	Percent of Non-RISE Participation	Jobs Assisted	Total Capital Investment (Non-RISE)	Date of Commission Approval
(February 2001)	Waterloo	Industrial Park	\$ 2,121,700	\$ 6,062,000	65%	0	\$ 3,940,300	08/14/01
	Tipton	Industrial Park	175,238	350,475	50%	0	175,237	07/17/01
	Council Bluffs	Industrial Park	1,310,517	2,621,034	50%	0	1,310,517	08/14/01
	Dubuque	Industrial Park	197,501	395,002	50%	0	197,501	12/11/01
	Ankeny/Polk County	Industrial Area	5,530,500	11,097,500	50.2%	0	5,567,000	11/06/01
(September 2001)	Peosta	Industrial Park	191,820	383,640	50%	0	191,820	12/11/01
	Grinnell	Industrial Park	151,140	302,280	50%	0	151,140	12/11/01
	Waukee	Industrial Park	326,239	652,478	50%	0	326,239	12/11/01
	Washington	Industrial Park	121,606	243,212	50%	0	121,606	12/11/01
	Cedar Rapids	Industrial Park	841,776	1,683,552	50%	0	841,776	05/07/02
	Wayland	Industrial Park	125,869	251,738	50%	0	125,869	02/12/02
	Elk Horn	Industrial Park	69,319	138,637	50%	0	69,318	02/12/02
(February 2002)	Cerro Gordo/Clear Lake	Industrial Park	339,314	678,626	50%	0	339,312	05/07/02
	Mason City	Industrial Park	212,670	425,340	50%	0	212,670	05/07/02
	Grimes	Business Park	809,877	1,619,754	50%	0	809,877	05/07/02
	Sanborn	Industrial Park	114,358	228,715	50%	0	114,357	06/18/02
	Spencer	Industrial Park	64,483	128,966	50%	0	64,483	06/18/02
	Fort Dodge	Industrial Park	99,021	152,340	35%	0	53,319	06/18/02
Totals—18 Approved Projects			\$ 12,802,948	\$27,415,289			\$14,612,341	
Averages—18 Approved Projects			\$ 711,275	\$ 1,523,072			\$ 811,797	

1. The total "RISE Funds Approved" includes both grant and loan funding.

2. All calculations are based on the effective cost to the RISE program which includes the net present value of any loan repayment.

RISE Projects

(Fiscal Year 2002)



Iowa Statewide Transportation Enhancements

Iowa Statewide Transportation Enhancements

The Transportation Equity Act for the 21st Century (TEA-21) requires transportation enhancement activities be a part of the Statewide Transportation Improvement Program. TEA-21 requires that at least 10 percent of each state's Surface Transportation Program apportionment be programmed for transportation enhancement activities.

Regional/Metropolitan Enhancement Funds

The Iowa Transportation Commission has determined that 50 percent of the state's total allocation for transportation enhancements be targeted to the metropolitan planning organizations (MPOs) and regional planning affiliations (RPAs) for their prioritization and programming in accordance with MPO/RPA-developed criteria. The remaining 50 percent will be prioritized and programmed by the Iowa Department of Transportation for projects of statewide significance in accordance with the criteria set out below.

Statewide Project Qualifications

Transportation enhancement projects are intended to go beyond the normal mitigation of a transportation improvement project. Activities already required under TEA-21 or any other federal law may not be funded as transportation enhancements. In addition, transportation enhancements must have a direct relationship to the surface transportation system, either as it exists or as it is planned.

To be eligible as a transportation enhancement activity, any project or area served by the project must fit one or more of the following categories:

- facilities for pedestrians and bicycles;
- acquisition of scenic easements and scenic or historic sites;
- scenic or historic highway programs, including tourist and welcome centers;
- landscaping and other scenic beautification, including removal of graffiti;
- historic preservation;
- rehabilitation and operation of historic transportation buildings, structures or facilities, including historic railroad facilities and canals;
- preservation of abandoned railway corridors for pedestrian or bicycle trails;
- control and removal of outdoor advertising;
- archaeological planning and research;
- mitigation of water pollution due to highway runoff, including projects that reduce vehicle-caused wildlife mortality while maintaining habitat connectivity;
- safety and educational activities for pedestrians and bicyclists; and/or
- establishment of transportation museums.

In order to offset administrative costs, the minimum total project size for statewide enhancements will normally be \$10,000.

Statewide Enhancement Projects

Projects of statewide significance may be defined as having one or more of the following characteristics:

- importance or use statewide;
- impact extends beyond regional or metropolitan area boundaries;
- enhances the quality or utility of the state transportation system;
- benefits state tourism efforts; and/or
- is consistent with statewide planning.

Statewide enhancement funding is requested by submitting a project application. Forms are available from DOT district offices and the DOT Web site at www.dot.state.ia.us.

Applications for statewide enhancement projects will be reviewed and recommended priorities set by one of three project review committees: Trails and Bikeways, Historical and Archaeological, or Scenic and Environmental. Projects that may qualify under several categories will be prioritized by the committee specified by the project sponsor. A committee may refer an application to another committee for evaluation.

The Trails and Bikeways Project Review Committee reviews statewide projects predominantly categorized as:

- facilities for pedestrians and bicycles;
- preservation of abandoned railway corridors, including the conversion and use of those corridors for pedestrian or bicycle trails; and/or
- safety and educational activities for pedestrians and bicyclists.

The Historical and Archaeological Project Review Committee reviews statewide projects predominantly categorized as:

- acquisition of historic sites;
- historic highway programs, including tourist and welcome centers;
- historic preservation;
- rehabilitation and operation of historic transportation buildings, structures, or facilities, including historic railroad facilities and canals;
- archaeological planning and research; and/or
- establishment of transportation museums.

The Scenic and Environmental Project Review Committee reviews statewide projects predominantly categorized as:

- acquisition of scenic easements and scenic sites;
- scenic highway programs, including tourist and welcome centers;
- landscaping and other scenic beautification, including removal of graffiti and litter;
- removal of outdoor advertising; and/or
- mitigation of water pollution due to highway runoff, including projects that reduce vehicle-caused wildlife mortality while maintaining habitat connectivity.

Committee members include recognized experts and representatives of interest groups appointed by the Iowa DOT and representatives of the Iowa departments of Natural Resources, Cultural Affairs, Economic Development and Transportation.

Funding

Federal funding can provide up to 70 percent of the proposed cost of eligible activities. Applicants must provide a commitment of at least 30 percent of eligible costs. Federal funds cannot be used as matching funds unless expressly permitted by law. State funds are eligible for use as a match. Volunteer services cannot be used as matching funds.

Federal Funding Requirements

All projects are subject to all applicable federal requirements and FHWA approval.

Requests for assistance or information should be addressed to the Iowa Department of Transportation, Office of Systems Planning, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1669.

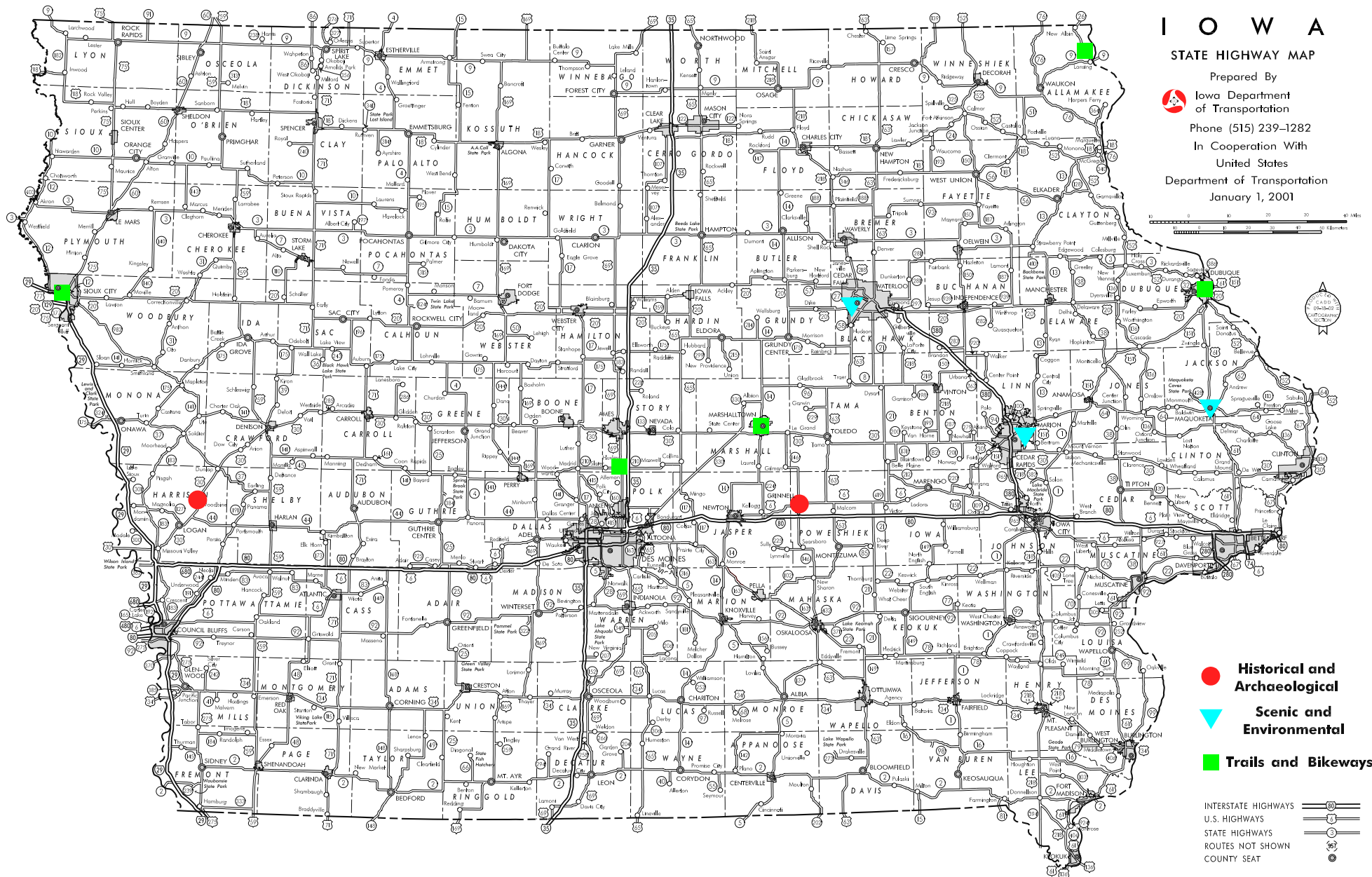
Statewide Enhancements

Fiscal Year 2003 Approved Projects

Sponsor	Project Title	Total Cost	Requested Amount	Approved Amount	Date of Commission Approval
Historical and Archaeological					
Grinnell/ Iowa Transportation Museum, Inc.	Spaulding Historic Site Acquisition and Stabilization Project	\$ 440,000	\$ 308,000	\$ 308,000	3-12-02
Woodbine	Lincoln Way Rehabilitation/Restoration Project, Phase 2	1,482,820	807,000	807,000	3-12-02
Scenic and Environmental					
Jackson County Conservation Board	Hurtsville Interpretive Center	\$ 937,384	\$ 490,898	\$ 490,898	3-12-02
Iowa DOT/Trees Forever	Iowa's Living Roadways Scenic & Natural Resources Fund	576,000	400,000	400,000	3-12-02
University of Northern Iowa	Roadside Beautification/Maintenance Reduction	883,862	498,323	188,947	3-12-02
Trails and Bikeways					
Story County Conservation Board	Heart of Iowa Nature Trail, Phase VI	\$ 130,171	\$ 91,119	\$ 91,119	3-12-02
Marshalltown	Linn Creek/Grimes Farm Trail	756,641	435,300	435,300	3-12-02
Dubuque	Heritage Trail Riverfront Extension	333,000	233,000	233,000	3-12-02
Sioux City	Lewis & Clark Trail	1,029,713	536,743	400,116	3-12-02
Allamakee County	Allamakee County Trail System	1,790,500	965,000	965,000	3-12-02
Total		\$ 8,360,091	\$ 4,765,383	\$ 4,319,380	

Statewide Enhancement Projects

(Fiscal Year 2003)



Iowa's Clean Air Attainment (ICAAP)

Iowa's Clean Air Attainment Program

The Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) established a Congestion Mitigation and Air Quality (CMAQ) Improvement Program which was continued in the federal transportation bill called the Transportation Equity Act for the 21st Century (TEA-21). TEA-21 authorized \$8.1 billion for the CMAQ Program for FY 1998-2003 nationally and provides each state a guaranteed one-half of 1 percent minimum apportionment annually. Since Iowa does not have any ozone and carbon monoxide nonattainment areas as defined in the Clean Air Act Amendments of 1990 (CAAA), the state may use its funds for any eligible project under the CMAQ Program or Surface Transportation Program.

To reflect the spirit of Congress in establishing the CMAQ Program under ISTEA and to assist in maintaining Iowa's clean air condition, the Iowa Department of Transportation has chosen to implement a compatible program for Iowa (Iowa's Clean Air Attainment Program).

Priorities for Iowa's program should result in a project list that maximizes emission reductions via traffic flow improvements, reduction in vehicle miles of travel, reduction of single-occupant vehicle trips, or other transportation improvements which improve air quality or reduce congestion. Also, projects should reflect a strong planning process involving close coordination among the DOT, metropolitan planning organizations, transportation management areas, regional planning affiliations, and other state and local air quality agencies. Projects should have a high priority in appropriate congestion management systems or long-range transportation plans, and be included in transportation improvement programs. Transportation control measures or other projects which are documented as improving air quality in Iowa's State Implementation Plan (SIP) will receive the highest priority if Iowa should become a nonattainment state.

The following types of projects are priorities for funding in Iowa's program:

- projects that reduce ozone, carbon monoxide, or PM-2.5 and PM-10 air quality problems;
- projects that reduce single-occupant vehicle trips or vehicle miles of travel;
- transportation projects that reduce highway congestion and improve roadway traffic flow;
- transportation control measures or other transportation-related projects identified in an approved SIP if applicable; and/or
- projects that assist in the development of management systems for traffic congestion, public transportation or intermodal facilities.

Eligibility

Iowa's program funds may be used anywhere in the state for any activity eligible under the Surface Transportation Program as described in Section 133(b) of Title 23, U.S. Code, as amended by TEA-21, or the CMAQ program as indicated in Section 149(b) of Title 23, U.S. Code, as amended by TEA-21. To be eligible for Iowa program funds, the project should fit into one or more of the following categories.

Traffic Flow Improvements

- Highway and street projects which improve air quality or reduce congestion.

Shared-Ride Services

- Establishment of carpool and vanpool programs, parking areas for people using these services, and programs to match drivers and riders.

Transit Improvements

- Includes system and service expansion for bus and rail services, operational improvements, or demand and market strategies to make transit a more attractive transportation alternative and divert riders from single-occupant vehicle trips.

Travel Demand Management Strategies

- Techniques or programs that attempt to reduce demand for single-occupant vehicle travel, such as promotion of employee trip reduction programs, development of transportation management plans, and establishment of "auto-free zones."

Pedestrian and Bicycle Programs

- Bicycle and pedestrian facilities, promotional activities designed to encourage bicycle commuting, and improved pedestrian walkways.

Vehicle Inspection and Maintenance Programs

- Includes start-up activities such as updating quality assurance software, developing mechanic training curricula, construction of "high-tech" diagnostic facilities, and equipment purchases in networks meeting EPA criteria.

Other Projects and Programs

- Other projects and programs that use promising technologies and feasible approaches to reduce transportation emissions.
- Conversion of public fleets to alternative-fueled vehicles is eligible under certain conditions.
- Feasibility studies necessary to provide environmental documentation are eligible, although general planning studies, traffic data collection activities, and similar assessments are not.
- Activities to develop and establish three of the six ISTEA management systems (congestion, public transportation and intermodal).

Transportation Control Measures

- Generally, the transportation control measures specified in Section 108 (f)(1)(A) of the CAAA are eligible. (Many of these also fall into one of the categories listed above.)

Transportation Activities in State Implementation Plan

- Transportation activities in an approved state implementation plan, if applicable.

Program Administration

Iowa's program administration, project coordination and eligibility determination is coordinated by the Office of Systems Planning. The Office of Systems Planning also coordinates the overall implementation of the program and the dissemination of information in accordance with the Iowa Transportation Commission's direction. A project evaluation committee evaluates and ranks projects. The Office of Systems Planning submits project funding recommendations to the Iowa Transportation Commission for approval. The Project Evaluation Committee consists of one representative selected from each of the following organizations: Iowa DOT, Iowa Department of Natural Resources, Iowa Public Transit Association, metropolitan planning organizations, and regional planning affiliations. The Iowa Transportation Commission has final project selection authority.

Department Information and Services

Requests for assistance or information should be addressed to the Iowa Department of Transportation, Office of Systems Planning, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1669.

Iowa's Clean Air Attainment Projects

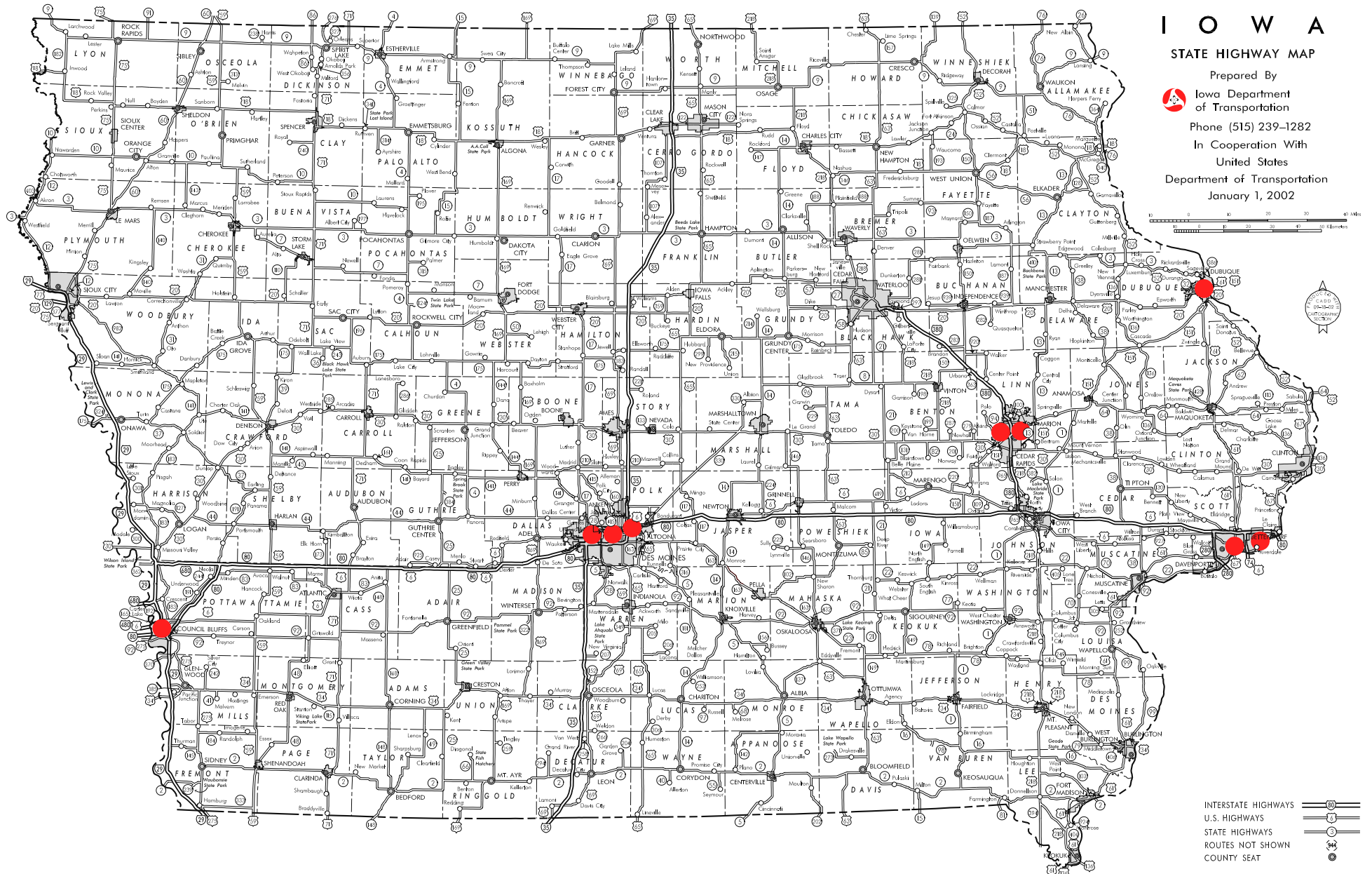
Fiscal Year 2003

Sponsor	Project Title	Total Cost	Requested Amount	Approved Amount	Date Commission Approval
Clive/West Des Moines	University Ave. widening from NW 114th St./50th St. to I-35/80 west ramp terminal	\$ 3,000,000	\$ 856,481	\$ 856,481	03-12-02
Department of Natural Resources	Air Quality Improvement Information Campaign	276,044	220,826	220,826	03-12-02
Urbandale	NW 100th St./NW Urbandale Dr. traffic signal system interconnect and coordination	330,000	264,000	264,000	03-12-02
Cedar Rapids	Traffic signal system loop and interconnect upgrade (Bus. 151)	560,000	448,000	448,000	03-12-02
Department of Transportation	US 20 Traffic Signal Coordination, Phase II - Dubuque	382,000	227,000	227,000	03-12-02
Cedar Rapids	33rd Ave. SW viaduct, 12th St. SW to 18th St. SW	6,300,000	642,526	642,526	03-12-02
Council Bluffs	Valley View Drive extension	1,920,000	1,535,000	666,167	03-12-02
Bi-State Regional Commission	Quad City area "Aware of Air" Program	50,000	40,000	40,000	03-12-02
Des Moines	Martin Luther King Jr. Parkway project	*	*	1,375,000	02-08-00
Total		\$12,818,044	\$ 4,233,833	\$ 4,740,000	

* In February 2000, the Iowa Transportation Commission approved the city of Des Moines' request of \$5,500,000 for the ML King Jr. Parkway corridor improvement project. The funding will be awarded in four equal installments of \$1,375,000 per year for the years 2001 through 2004.

Iowa's Clean Air Attainment Projects

(Fiscal Year 2003)



Traffic Safety Improvement

Traffic Safety Improvement Program

In 1987 Iowa's Legislature provided that one-half of 1 percent of Iowa's Road Use Tax Fund be used for traffic safety improvements or studies on public roads under county, city or state jurisdiction. Projects can be initiated by any incorporated city or county, or the Iowa Department of Transportation. The program is administered by the Iowa DOT, with funding of about \$5 million per year.

Three separate funding categories are available.

Construction or Improvement of Traffic Operations at a Specific Site

Eligible projects for construction or improvement of traffic operations at a specific site include the following:

- road modernization, upgrading or reconstruction;
- bridge and culvert modernization, replacement or removal;
- road intersection and interchange improvement, including channelization, traffic control devices and lighting;
- right-of-way required for a traffic safety project;
- drainage and erosion control measures which are an integral part of the project;
- traffic control devices required by the project;
- guardrail;
- tree removal; or
- other construction activities directly related to or required by the safety project.

Purchase of Materials for Installation of New or Replacement of Obsolete Traffic Control Devices

Cost of materials purchased for the initial installation of traffic control devices or replacement of obsolete traffic control devices to comply with the applicable warrants in the Manual on Uniform Traffic Control Devices are also eligible for funding.

Transportation Safety Research, Studies or Public Information Initiatives

Funding is available for research, studies and public information initiatives relating to traffic safety which can include:

- research addressing traffic safety concerns;
- studies to address remedies for traffic operations safety at a specific location; or
- public information initiatives to emphasize traffic safety.

The maximum traffic safety funding for a site-specific project generally shall not exceed \$500,000, and total funding allotted for traffic control materials cannot exceed \$500,000 annually. Total funding allotted for all research, studies and public information initiatives shall not exceed \$500,000 annually.

Applications for FY 2003 funding consideration were due August 15, 2001. Applications were submitted requesting \$7.6 million in safety funding. Twenty-one of the applications requested site specific funding, six requested traffic control device funding, and 32 requested funding for studies and public information initiatives. On December 11, 2001, the Iowa Transportation Commission approved funding for 40 projects for \$4.7 million in traffic safety improvement funding. A list of the approved projects is shown on the following pages.

Department Information and Services

Applications for funding consideration in FY 2004 were due by August 15, 2002. Application forms or further information concerning the Traffic Safety Improvement Fund may be obtained by contacting the Iowa Department of Transportation, Office of Traffic Engineering and Safety, 800 Lincoln Way, Ames, IA 50010, telephone 515-239-1557.

Traffic Safety Improvement Projects FY 2003

Applicant	Location	Type of Funds	Approved Safety Funding
Butler County	Co. Rd. C-33 in Section 16 East of Clarksville	Site	\$249,000
Carroll	US 30 & Grant Road in Carroll	Site	10,000
Cedar Falls	Old US 218 (University Ave.) & Rownd Street	Site	16,000
Cedar Rapids	C Ave. & Blairs Ferry Road	Site	133,000
Cedar Rapids	3rd Ave. & 8th Street SE	Site	80,000
Cedar Rapids	3rd Ave. & 7th Street SE	Site	35,750
Des Moines	Ingersoll Ave. at 28th, 31st & 35th Streets	Site	183,200
Des Moines	42nd Street at Grand Ave. & Ingersoll Ave.	Site	125,000
Des Moines	Park Ave. from SW 42nd Street to SW 56th Street	Site	155,000
Des Moines	Hickman Road & 30th Street in Des Moines	Site	55,000
Dubuque	US 20 from Century Drive West Past Old US 20 to future Menards Entrance	Traffic Control Devices	65,000
Iowa DOT	Statewide Milled in Shoulder Rumble Strips	Site	140,000
Iowa DOT	US 61 & West Ave. in Burlington	Site	224,000
Iowa DOT	US 61 & Division Street in Burlington	Site	500,000
Iowa DOT	IA 14 & Linn, Church, Main & State Streets in Marshalltown	Site	500,000

Traffic Safety Improvement Projects FY 2003

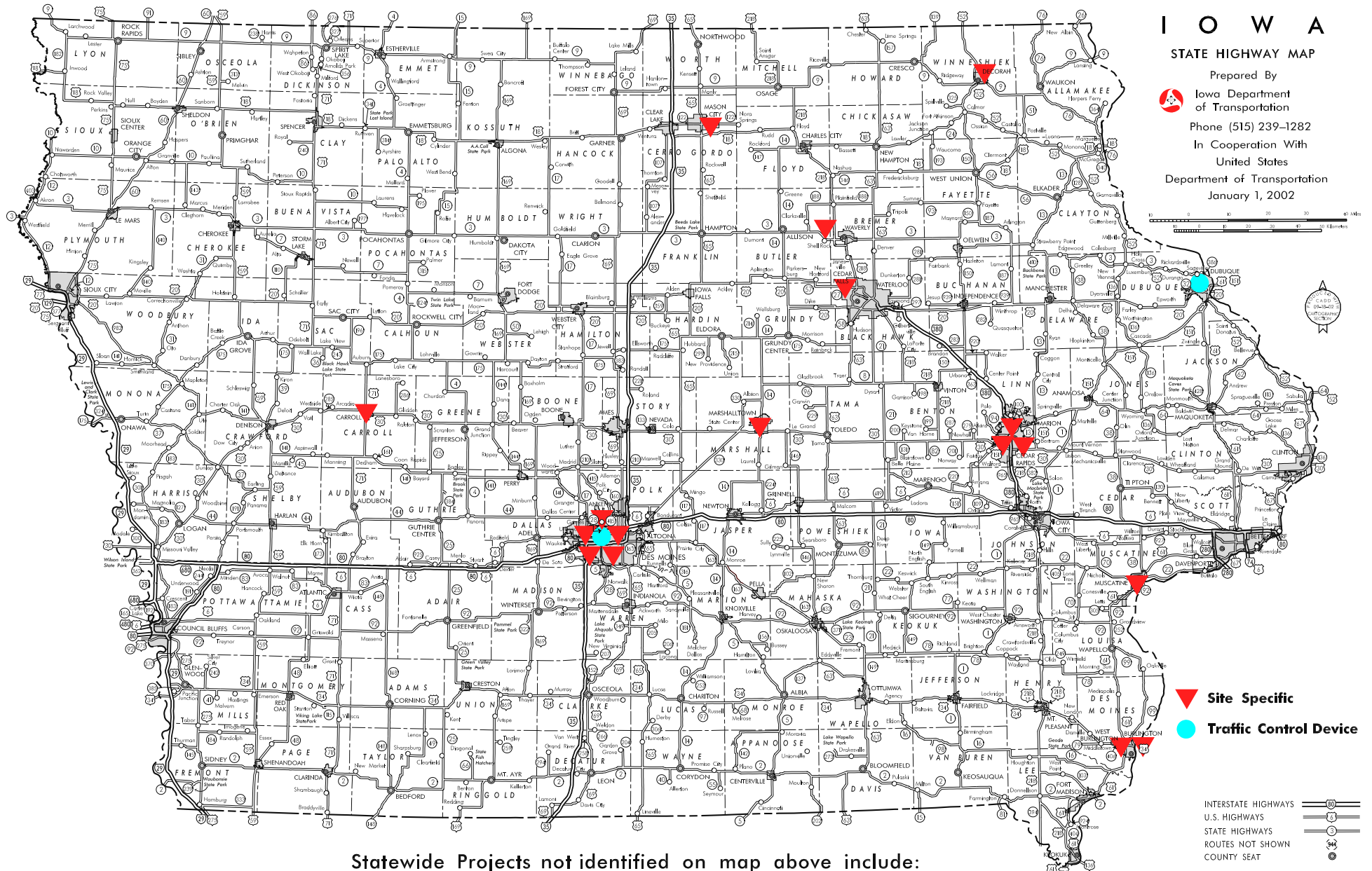
Applicant	Location	Type of Funds	Approved Safety Funding
Iowa DOT	Statewide Distribution of Fluorescent Yellow-Green Signs	Traffic Control Devices	\$10,000
Iowa DOT	Statewide Sign Inventories/Replacement Program	Traffic Control Devices	250,000
Iowa DOT	Statewide Identify & Upgrade Pedestal Signal Installations	Traffic Control Devices	244,160
Iowa DOT	Access Management Training Program for Iowa	Studies	27,000
Iowa DOT	Maintain and Enhance the Geographical Information System (GIS) Incident Location Tool	Studies	40,000
Iowa DOT	Intersection Magic Software Statewide License Renewal	Studies	10,000
Iowa DOT	Safety Circuit Rider Support	Studies	20,000
Iowa DOT	Implementation of the Iowa Strategic Highway Safety Plan	Studies	50,000
Iowa DOT	Development of a System for Collection and Analysis of Intersection Safety Data	Studies	43,000
Iowa DOT	Continuing the Public Information Aspect of the Department's Work Zone Safety Program during the Year 2002 Construction Season	Studies	50,000
Iowa DOT	Work Zone Safety Training	Studies	45,000

Traffic Safety Improvement Projects FY 2003

Applicant	Location	Type of Funds	Approved Safety Funding
Iowa DOT	Traffic Sign Inventories/Replacement Program	Studies	\$28,500
Iowa DOT	Traffic/Safety Engineering Training and PEER Exchange	Studies	20,000
Iowa DOT	Review of Appropriate Crash Loss Values	Studies	35,000
Iowa DOT	Iowa Traffic Safety Data Service Center	Studies	15,000
Iowa DOT	Effectiveness of Pavement Markings under Wet, Night Time Conditions	Studies	50,000
Iowa DOT	Experimental Application of Pavement Markings	Studies	30,000
Iowa DOT	Traffic and Safety Manual	Studies	18,000
Iowa DOT	Statewide Young Driver and Iowa Graduated Drivers License (GDL) Curriculum Enhancement	Studies	25,000
Iowa DOT	Arrow Displays for Incident Response Pickups	Studies	18,500
Mason City	US 65 (N. Federal Ave.) & 12th Street NE/NW	Site	147,000
Muscatine	US 61 & IA 38/Park Ave.	Site	500,000
Polk County	NW Meredith Dr. & NW Beaver Dr.	Site	18,600
Polk County	Upgrade Street Identification Signing	Traffic Control Devices	20,840
Winneshiek County	Co. Rd. W-38 from Decorah N. to Co. Rd. A-26	Site	500,000

Traffic Safety Improvement Projects

(Fiscal Year 2003)



Public Transit

Public Transit Programs

The Office of Public Transit promotes a public transportation system that meets the needs of Iowans through advocacy, technical assistance, and administration of state and federal funds. The office is responsible for administering all of the state transit assistance and the federal transit assistance to rural areas and urban areas under 50,000 population. In addition, the office administers statewide federal capital grants, statewide Job Access Reverse Commute grants, and statewide ITS grants. Office of Public Transit also offers technical, planning, and training assistance to Iowa's 35 public transit agencies. Additional information and assistance can be found on the Transit Web site at www.iatransit.com.

State Transit Assistance (STA) - Iowa devotes 1/20 of 80 percent of the sales tax collected on sales of motor vehicles and accessory equipment to support public transportation. Most of this money is distributed by a formula which is based on each transit system's performance during the previous year in terms of rides, miles, and local funding support. These formula funds can be used for support of any operating, capital or planning expenses related to the provision of public passenger transportation. Up to \$300,000 of the total STA funds are available for technical training and other projects to improve public transit in Iowa. Estimated STA for FY 2003 is \$8,751,000.

The **Federal Transit Administration (FTA)** of the U.S. Department of Transportation administers a number of programs offering financial support for local public transportation. Some are funded through the federal motor fuel tax (2.86 cents per gallon of the federal motor fuel tax is dedicated to transit), while others are funded from the General Fund.

Section 5303 "Metropolitan Planning Program" - These funds come to the state on the basis of urbanized area population and are dedicated to support the transportation planning process in urbanized areas over 50,000 population. They must be matched with non-federal funds on an 80% federal-20% non-federal basis.

Section 5307 "Urbanized Area Formula Program" - These funds come to the state on the basis of population and population densities in urbanized areas with populations between 50,000 and 200,000 to support public transit activities. They go directly to areas over 200,000 population. Transit systems may use up to 10 percent of these funds to pay for some of their ADA paratransit costs on an 80% federal-20% non-federal basis. In urbanized areas with populations greater than 200,000, at least 1 percent of these funds must be set aside for transit enhancement activities. In areas under 200,000 population the funding can be used to support operating deficit. Funds used in this manner must be matched by non-federal funds (other than passenger revenues) on a dollar-for-dollar basis. The remainder can be used to fund capital improvements (including preventative maintenance activities) or planning activities on an 80% federal-20% non-federal basis. (Purchase of vehicles equipped for access by persons with disabilities can be funded at 83% federal participation and purchase of special equipment required under the Clean Air Act Amendments can be funded at 90% federal participation.)

Section 5309 "Capital Investment Grants and Loans Program" - These funds are available to Iowa based on Congressional earmarks. They may be used only for transit capital improvements on an 80% federal-20% non-federal basis. (Again, 83% federal participation is allowed on vehicles designed for access by persons with disabilities and 90% on special equipment to meet clean air regulations.)

Section 5310 and 5311 "Transportation for Elderly Persons and Persons with Disabilities" and "Nonurbanized Area Formula Program" - These funds come to Iowa on the basis of the number of persons who are elderly, have disabilities, or live outside urbanized areas within the state. The funds may be used to support the cost of transit operations (contracted operations for 5310) with dollar-for-dollar non-federal match or these funds are allowed to fund capital improvements on an 80% federal-20% non-federal basis. (Again allowing this to go to 83% federal on vehicles designed for access by persons with disabilities and 90% for clean air equipment.) Transit systems may use up to 10 percent of their annual Section 5311 apportionment of formula funds to pay for some of their ADA paratransit costs on an 80% federal-20% non-federal basis. Fifteen percent of the 5311 funds are reserved by law for intercity bus projects. The 5311 funds are also used for support of transportation planning in non-urbanized areas on an 80% federal-20% non-federal basis.

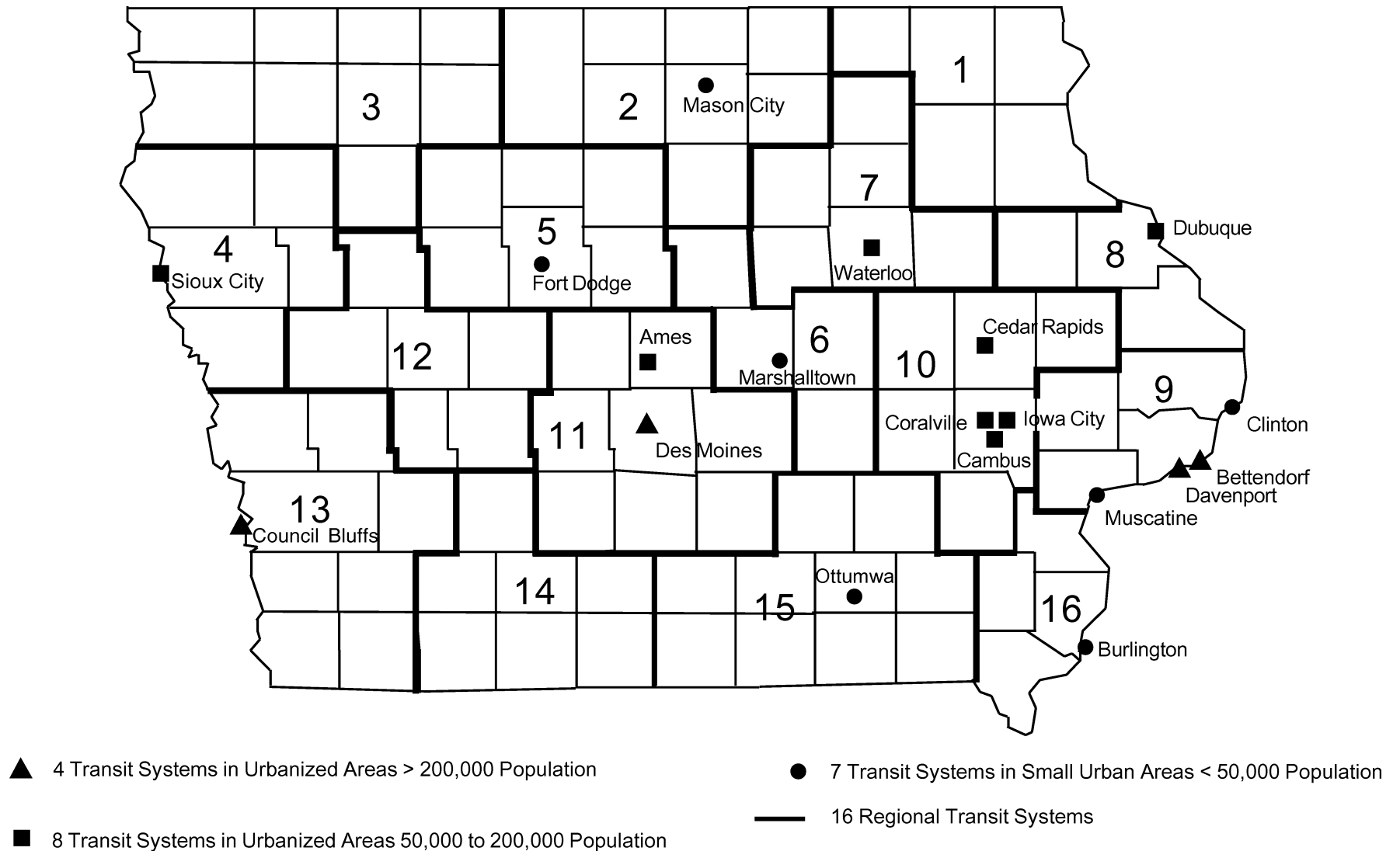
Section 3037 "Job Access Reverse Commute Program" (JARC) - JARC funds are available on a competitive basis. These funds may be used to provide transportation services in urban, suburban and rural areas to assist welfare recipients and low income individuals to access employment opportunities, and to increase collaboration among the transportation providers, human services agencies, employers, metropolitan planning organizations (MPOs), and affected communities and individuals. A 50 percent match is required for the program.

Section 5313 "Statewide Planning Program" - These funds come to the state on the basis of population and are used to support transportation planning in non-urbanized areas on an 80% federal-20% non-federal basis.

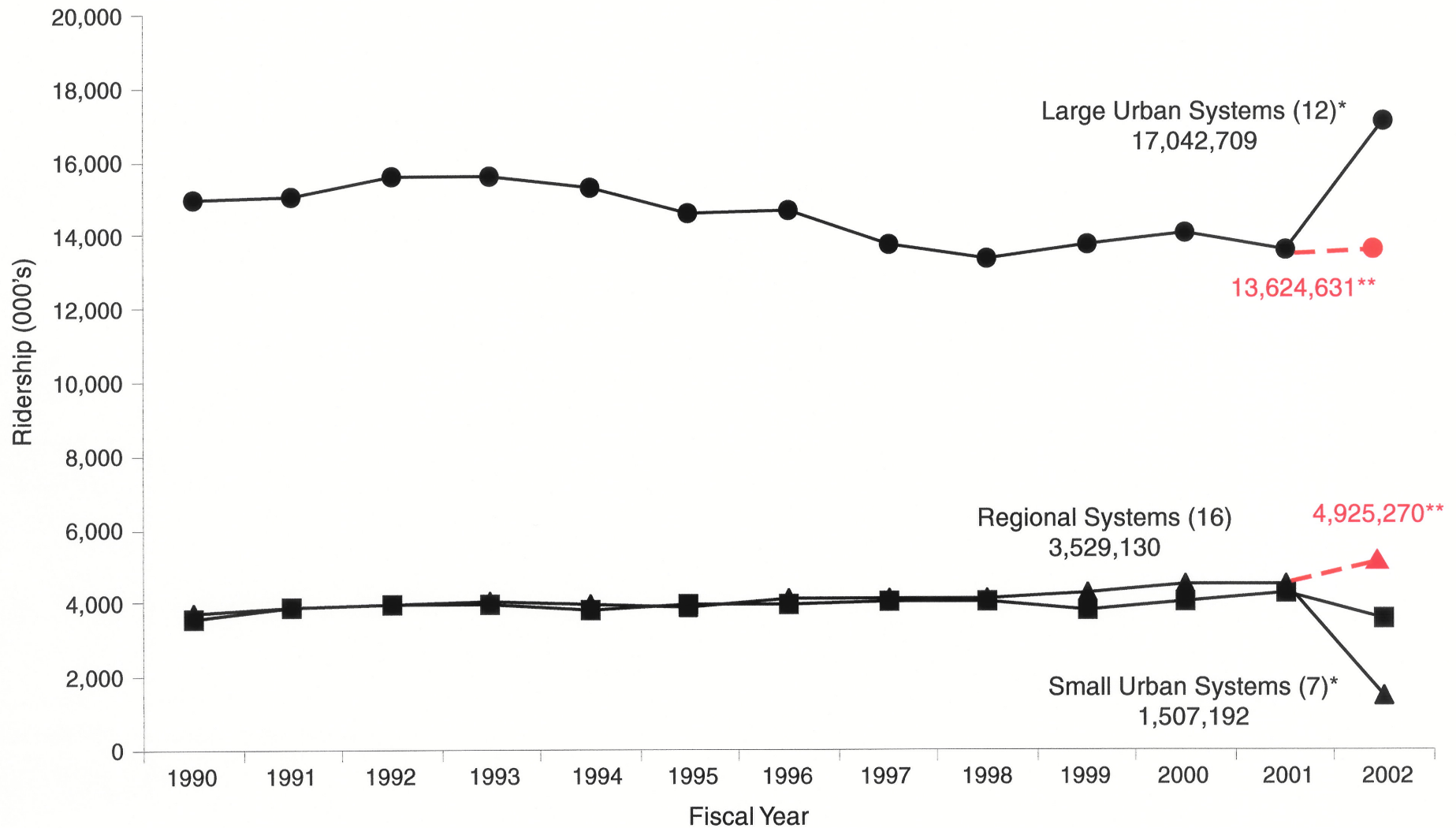
Surface Transportation Program (STP) - These funds come to the state on the basis of TEA-21 legislation, and can be used for roadway or transit capital projects on an 80% federal-20% local basis. In Iowa a portion of these funds are programmed by local governments acting through metropolitan or regional planning agencies. When programmed for transit projects, these funds are also administered by the Federal Transit Administration.

Iowa's Clean Air Attainment Program (ICAAP) - Iowa does not have any areas in violation of transportation-related federal clean air standards, the state receives a minimum allocation of Congestion Mitigation/Air Quality (CMAQ) funding which can be used for any purpose for which STP funds can be used and on the same 80% federal-20% non-federal basis. In Iowa funds are programmed for highways or transit projects through a state-wide application process which selects projects based on their anticipated air quality or congestion relief benefits.

Large Urban, Small Urban, and Regional Transit Systems



Public Transit Ridership in Iowa FY 1990 - 2002



* — As a result of the 2000 Census Ames became a Large Urban Area
 ** - - - Ridership if Ames did not change

Transit Program of Projects

The final program of transit projects
will be available after the FY 2003
federal transportation appropriation bill is approved.

Additional information and assistance can be found
on the Web site at www.iatransit.com

The image features two overlapping rectangular frames. The inner frame is a simple black outline. The outer frame is also a black outline, slightly offset to the right and bottom from the inner frame, creating a layered effect. Centered within the inner frame is the word "Highway" in a large, bold, black sans-serif font.

Highway

Highway Program

This section contains the primary and interstate highway construction-related investments planned for FY 2003 through 2007. In general, contracts awarded during a fiscal year are constructed during the corresponding calendar year. The highway program is arranged by county and by route. In addition, a duplicate listing of highway improvements arranged by major corridors is provided. A map showing the location of each 2003 project in the state is on page 62 of this report.

Included in the Highway Section is the Planning Studies Section. Including a highway segment in the Planning Studies Section does not ensure the project will be constructed. The planning review may conclude some projects are not priority candidates for further consideration. Other projects may be selected for continued development.

The highway program continues to place emphasis on improving and completing major transportation corridors in Iowa. In 1996 six corridors were identified by the Commission as high priorities for accomplishment of four-lane construction: Iowa 5 from Knoxville to I-35; Iowa 60 from Sioux City to the Minnesota state line; U.S. 151 from Cedar Rapids to Dubuque; Iowa 330 from Des Moines to Marshalltown; the Avenue of the Saints; and the corridor from Des Moines to Burlington.

Funding for several projects on the interstate system throughout Iowa is identified in the 2003-2007 highway program. Included is funding for I-235 reconstruction in Des Moines. The Department has been working closely with Des Moines metropolitan area advisory groups to facilitate accomplishment of this major project.

Funding for pavement preservation activities is addressed. The Department recognizes the need for continuing investments to maintain the condition and smoothness of roadway pavements throughout the state. Funding for bridge replacement and rehabilitation is also included.

Public Participation

Throughout the year DOT staff meets with local agencies and organizations to discuss potential projects and local transportation issues. During the five-year program development, officials from cities, counties and other agencies are provided preliminary information regarding proposed construction in their areas. Comments on the proposed program are encouraged.

During 2002 the Iowa Transportation Commission conducted meetings at four locations around the state for the specific purpose of receiving public input concerning planning and programming. Meetings were conducted in Bettendorf, West Des Moines, Iowa Falls and Manchester. Forty-five delegations presented their views. The Commission intends to continue this practice. The Department benefits from these meetings and encourages organizations to continue working with the Commission to guide Iowa's transportation future. Awareness of local issues is invaluable for maintaining successful transportation programs.

Commercial and Industrial Network

One important Department objective is to support economic development through transportation investments. The central focus of this activity is the designation of the Commercial and Industrial Network (CIN). The Governor and the Legislature formally adopted the concept of the CIN in 1989. The CIN, along with the Interstate System, is also designated as the federal National Highway System in Iowa.

The stated purposes of the CIN are to improve the flow of commerce; make travel more convenient, safe and efficient; and better connect Iowa with regional, national and international markets. Roadways within this system serve as corridors that provide vital links for services and movements of raw materials and consumer goods. This highway program includes approximately \$200 million in 2003 for improvement on the non-interstate portion of the CIN. A map showing the designated CIN is on page 63.

Department Information and Services

On a periodic basis, the Transportation Commission considers adjustments to the highway program. Information regarding these changes can be accessed on the Iowa DOT's Web site at www.dot.state.ia.us.

Cooperative State Traffic Engineering Program (U-STEP and C-STEP)

In 1977 a special purpose safety program was established by the Iowa Transportation Commission as a means of reducing accidents and improving operations on the urban extensions of the State Primary Road System. Approximately 15 percent of the miles on the primary system are in cities. The Urban-State Traffic Engineering Program (U-STEP) was established to share the construction cost of traffic engineering improvements at spot locations such as intersections or other bottlenecks. This program has funded new or remodeled traffic signal systems, interconnection or coordination of signals, intersection reconstruction, construction of turning lanes, bottleneck elimination, widening or adding lanes for through traffic, and other safety related improvements.

Effective January 1, 1983, the Iowa Transportation Commission established the County-State Traffic Engineering Program (C-STEP) to join with interested

counties in resolving similar problems outside of the cities. The state share of the construction and right-of-way costs for both U-STEP and C-STEP spot improvement projects has been set at 55 percent, with the local jurisdiction furnishing the engineering and project supervision. Some improvements of larger scope requiring linear rather than spot improvements, are also eligible.

Many candidate projects have been identified as a result of a State-Federal Traffic Engineering Assistance Program (TEAP). Traffic engineering consultants have been retained by the Department and are available to local governments as requested on a first-come, first-served basis. The program is funded by the Federal Highway Administration. A city or county can obtain a traffic engineering evaluation of a problem situation at no cost.

County-State Traffic Engineering Program (C-STEP)

A. Spot Improvements - Safety or Operational

For cooperative safety or operational improvements on the rural portion of the State Primary Road System (outside corporate limits).

State share - 55 percent of the construction cost of a qualified project, with a limit of \$200,000 of state funds per project. The county will furnish the engineering.

B. Linear Improvements - Safety or Operational

Cooperative Improvement State Jurisdiction Retained				Cooperative Improvement Transfer to Local Jurisdiction			
Rehabilitation		Reconstruction		Rehabilitation		Reconstruction	
State Share(%)	Limit (\$/Mi.)	State Share(%)	Limit (\$/Mi.)	State Share(%)	Limit (\$/Mi.)	State Share(%)	Limit (\$/Mi.)
30	45,000	30	75,000	60	90,000	60	150,000

Shared project cost to apply to construction only. The county will furnish the engineering.

Urban-State Traffic Engineering Program (U-STEP)

A. Spot Improvements - Safety or Operational

For cooperative safety or operational improvements on municipal extensions of the State Primary Road System.

State Share - 55 percent of the construction cost of a qualified project with a limit of \$200,000 of state funds per project. The city will furnish the engineering.

B. Linear Improvements - Safety or Operational

For occasional safety or operational improvements spanning two or more intersections on municipal extensions of the State Primary Road System. Limited to situations for which a single location improvement is inadequate.

State Share - 55 percent of the construction cost of a qualified project with a limit of \$400,000 of state funds per project. The city will furnish the engineering.

Living Roadway Trust Fund

The Living Roadway Trust Fund (LRTF) was established by the Iowa Legislature in July 1989. This fund was created to implement Integrated Roadside Vegetation Management (IRVM) programs on city, county or state rights-of-way or areas adjacent to traveled roadways. As part of the legislation, an IRVM Coordinator's office was established to administer grants and assist in developing community enhancement projects or other planting demonstration projects throughout the state. Examples of projects eligible for funding through this program are planning and public education, installation or initial maintenance and development, special staff training, special equipment, or increased protection for existing vegetation. The Code of Iowa, Section 314.22, requires that county or city applicants must have an IRVM plan on file with the IRVM Coordinator's office before applying for funds. It further states that all county applications must be sponsored by the county engineer or the county conservation board. The application deadline is August 30 each year. All applications received are reviewed by the IRVM Technical Advisory Committee. This committee is appointed by the Director of Transportation and recommends approval of qualified applications. The director authorizes funding based on the recommendations of the advisory committee.

The Living Roadway Trust Fund (LRTF) has two funding sources:

1. \$250,000 from the Road Use Tax Fund (RUTF); and
2. Fees obtained from utility easements along interstate and other divided four-lane, access-controlled highways.

Income from these sources, after distribution of the legislatively mandated amounts, are divided between city, county and state projects according to the Road Use Tax Fund distribution formula.

Since the beginning of this program, more than \$7.8 million has been approved for more than 800 projects around the state. These funds allowed the purchase of special equipment, roadside inventories, gateway plantings, native grass and forb seed, tree and shrub plantings, and research and educational programs.

The IRVM Coordinator's office established the framework to begin the program and the state IRVM plan. The office has funded a wildflower brochure, educational display and native wildflower posters. Also, native seed for planting has been provided to DOT shop sites, interstate rest areas and public school grounds. These projects will enhance aesthetics, and will provide identification and management training, and future seed sources.

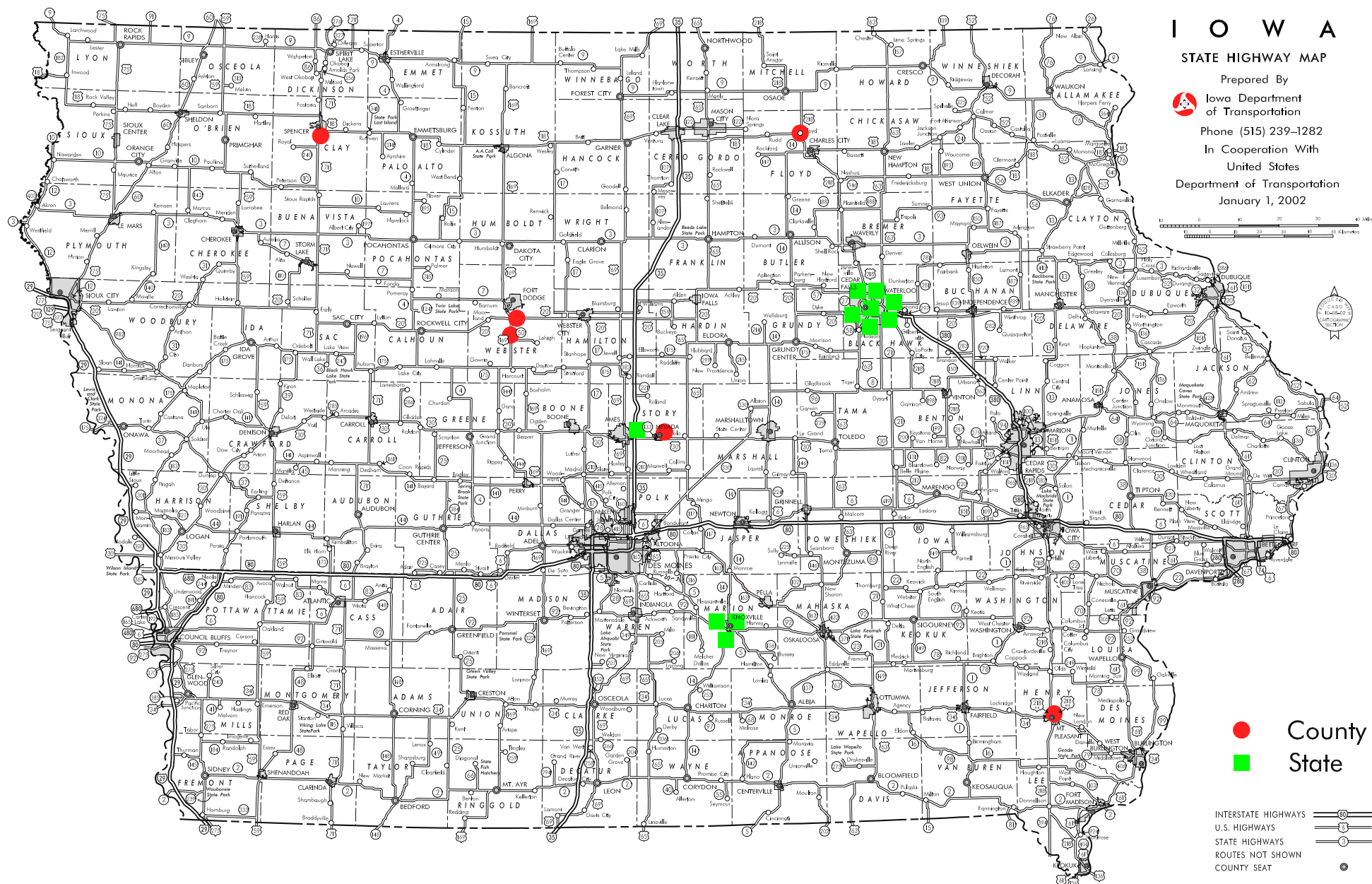
Public education is one of the major goals of the Living Roadway Trust Fund program. The coordinator's office makes presentations and attends conferences around the state to explain the program. Distribution of brochures, posters and other information to increase awareness and public support for Iowa's native vegetation is available on request.

Applications for FY 2003 funding were submitted by cities, counties and the state. The total amount of funding requested was \$758,597, of which \$378,171 will be funded.

Requests for applications or additional information about this program should be directed to the Iowa Department of Transportation, Office of Design, 800 Lincoln Way, Ames IA 50010, Attention: Roadside Coordinator, or call 515-239-1768. More information on projects and the Living Roadway Trust Fund program can be viewed at www.iowalivingroadway.com.

Living Roadway Trust Fund Projects

(Fiscal Year 2003)

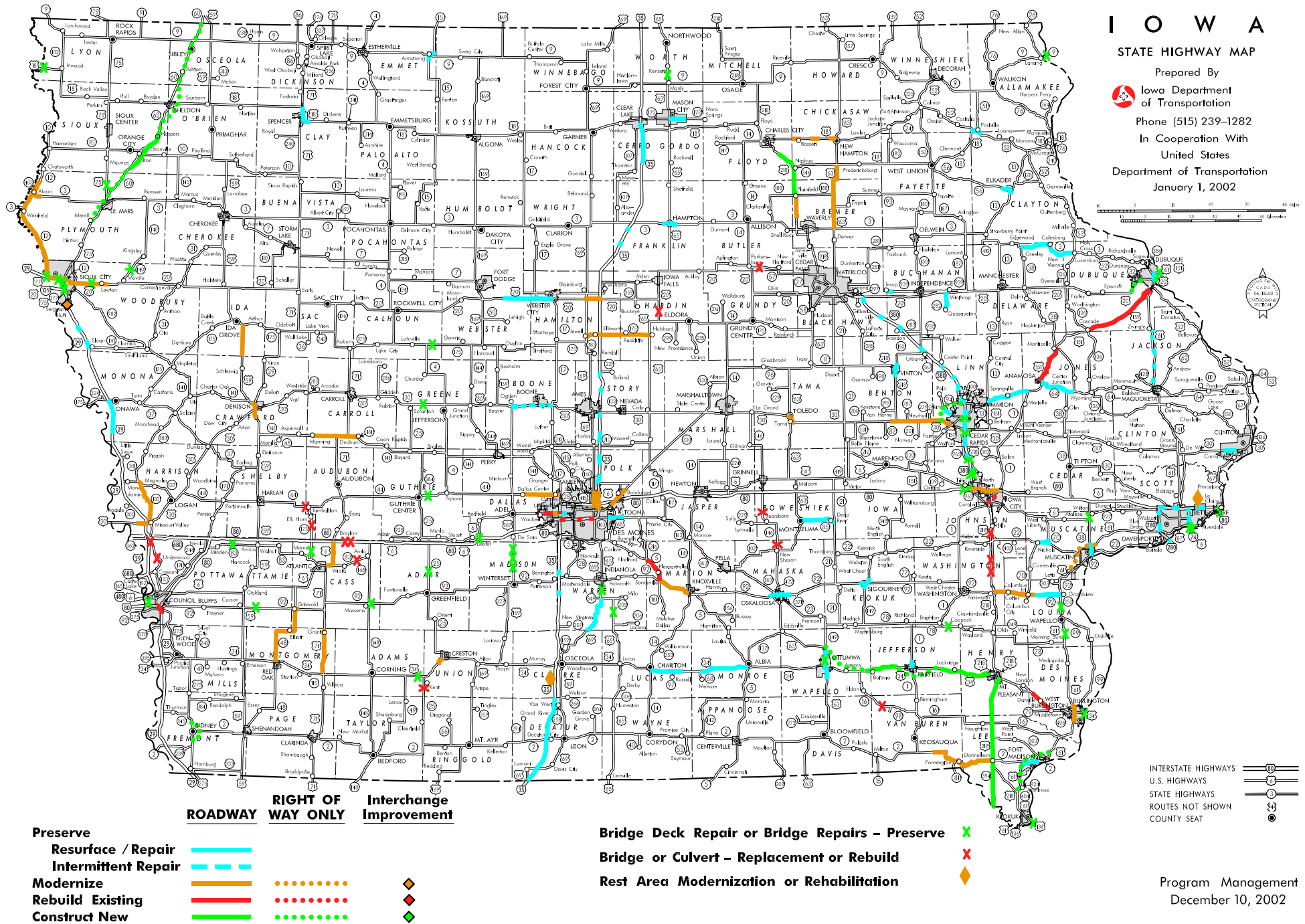


Living Roadway Trust Fund Projects

Fiscal Year 2003

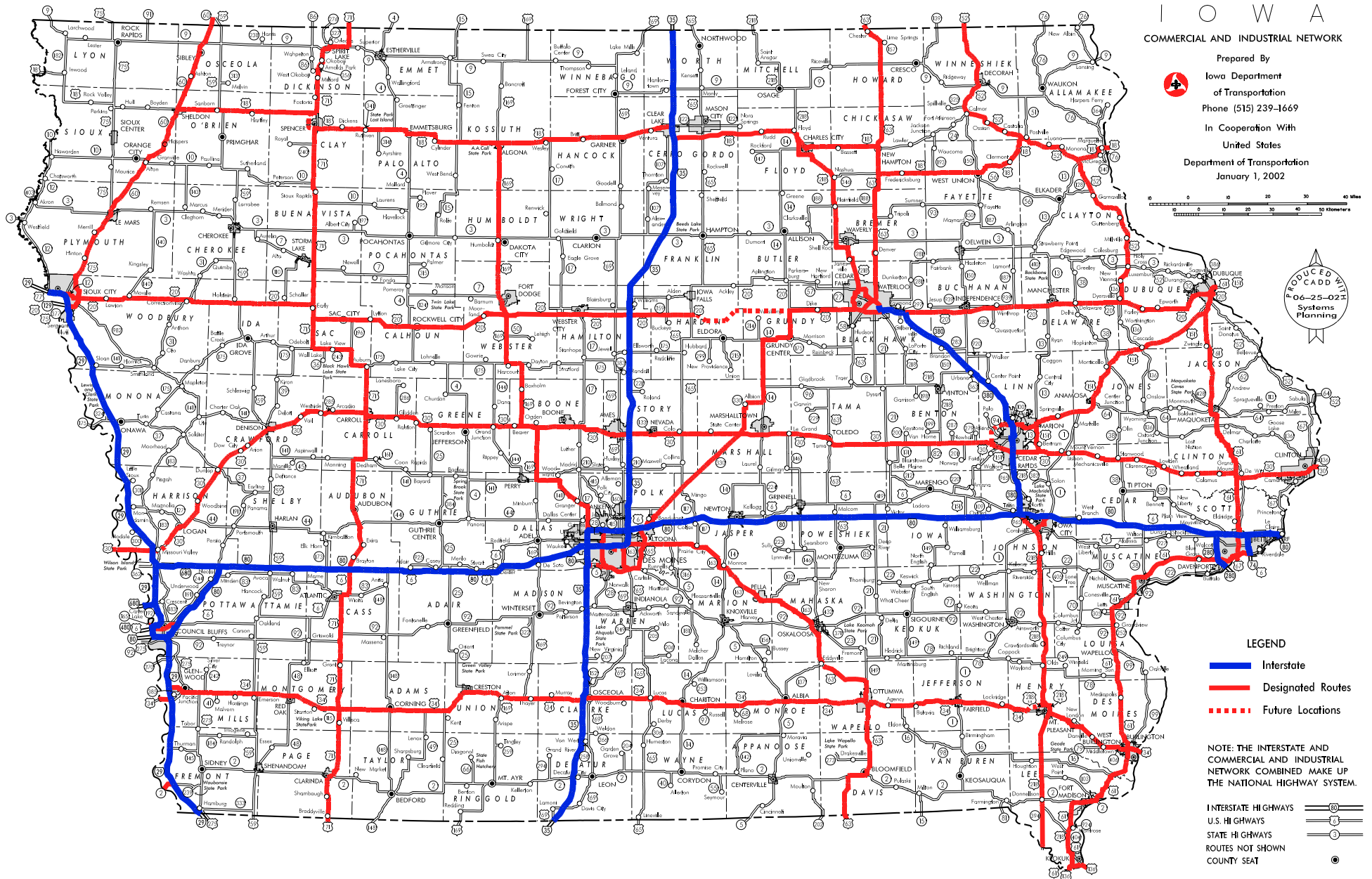
	Project Location (County)	
State Projects		
Hawkeye Community College live plants and transportation	Black Hawk	\$ 590
Hawkeye Community College native gardens project	Black Hawk	6,400
ISU research, warm season grasses	Black Hawk	12,257
Program promotion and accountability	Black Hawk	34,000
Stewards of the Beautiful Land Seminars	Marion	13,000
LRTF Assistance to Communities	Marion	50,000
Trees Forever	Marion	50,000
UNI Roadside Program	Black Hawk	75,000
UNI Research, genetic diversity	Black Hawk	14,850
UNI Iowa Ecotype project	Black Hawk	35,640
Education, demonstration, and awareness projects	Story	50,000
Subtotal		\$ 341,737
County Projects		
Hydro seeder	Clay	\$ 14,000
Seed storage, scarifier	Floyd	2,000
Seed drill, hydro seeder	Henry	12,904
Storage facility	Story	1,500
Chain saw	Webster	280
Seed drill "Dew Drop Drill"	Webster	5,750
Subtotal		\$ 36,434
Total		\$ 378,171

2003 Highway Program

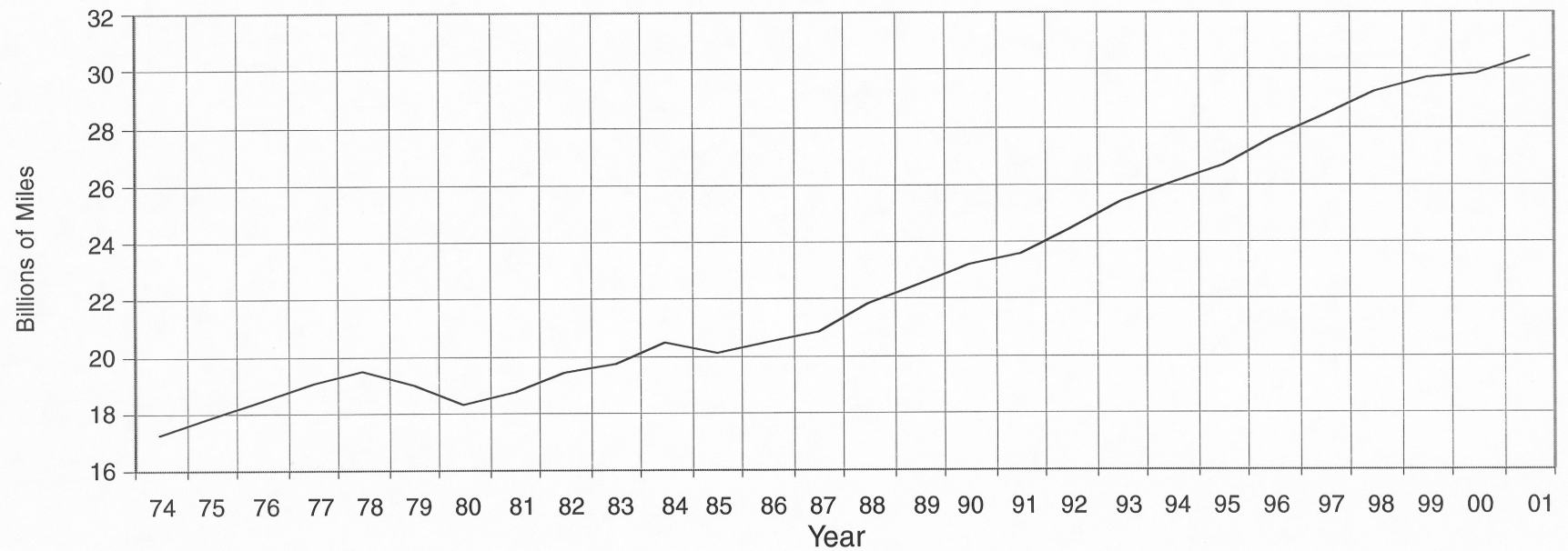


Program Management
December 10, 2002

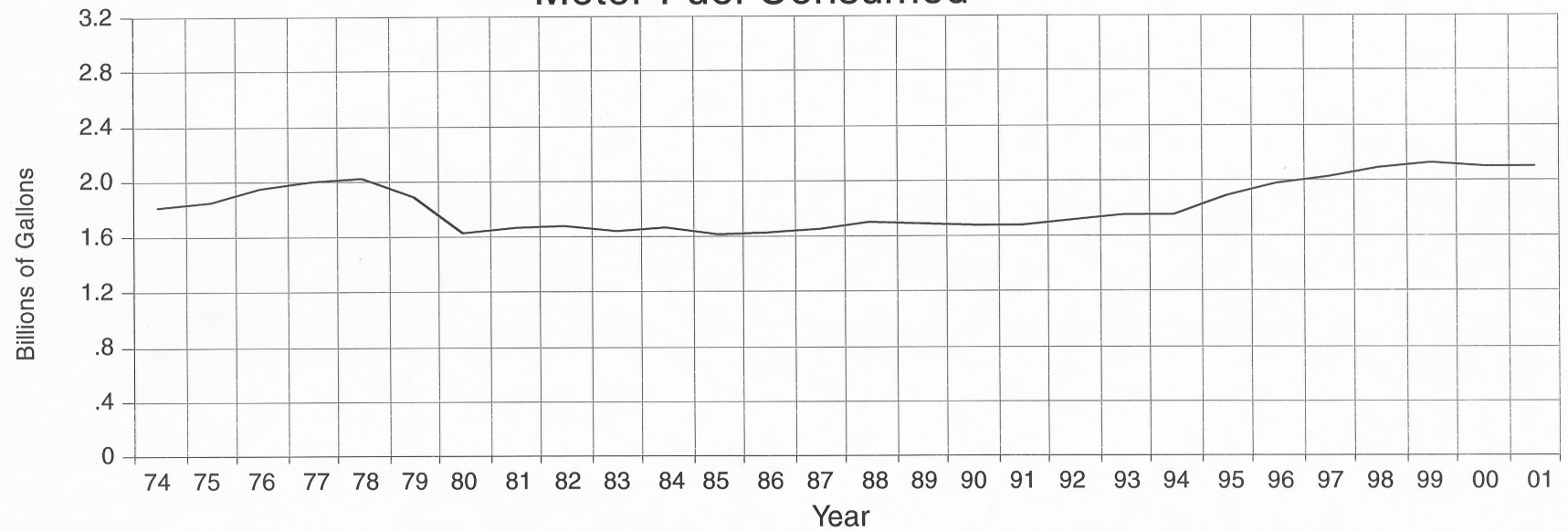
Commercial and Industrial Network



Vehicle Miles Traveled



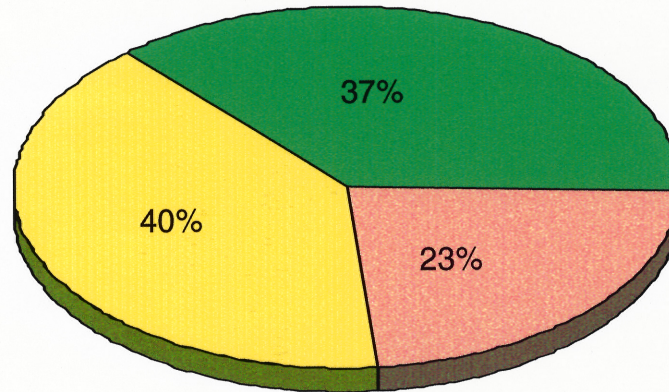
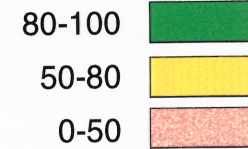
Motor Fuel Consumed



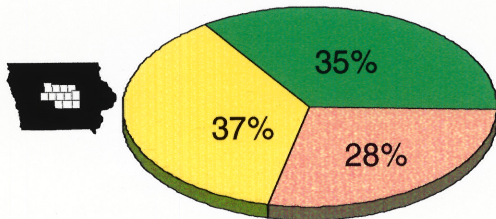
Sufficiency Rating Comparison

Sufficiency Rating is a number from 0-100 that represents the relative condition of highway segments (0 worst--100 best). It takes into account the structural adequacy, safety and service of each segment. The rating is used as a performance measure to identify potential reconstruction needs.

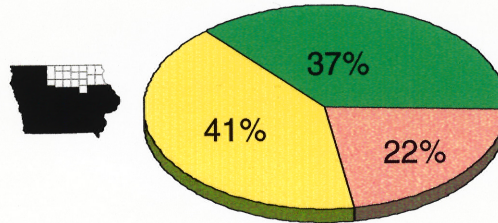
Sufficiency Rating



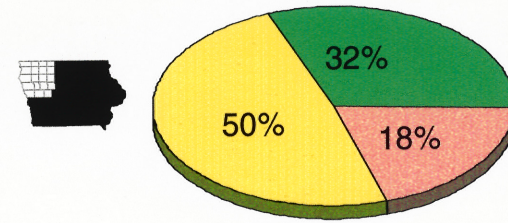
Statewide
9722 Miles



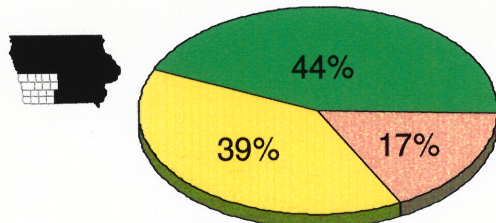
District 1
1432 Miles



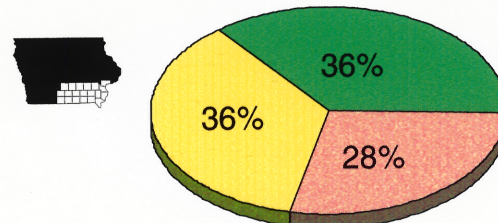
District 2
1643 Miles



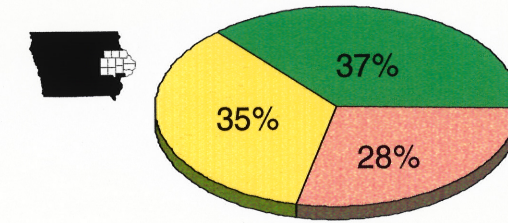
District 3
1704 Miles



District 4
1680 Miles



District 5
1750 Miles



District 6
1513 Miles

Highway Program Key

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
		(75) PLYMOUTH									
60	4070	LEMARS BYPASS TO SIOUX COUNTY -ADD 2-LANE AND SENEY BYPASS	5.5	31	CONSTRUCT	RIGHT OF WAY	904				
						GRADE		3399			
						WETLAND MITIGATION		50			
						BRIDGE NEW		298			
						CULVERT NEW		775			
						PAVE			7103		
						LIGHTING			79		
						TRAFFIC SIGNS			27		
						TRAFFIC SIGNALS			99		
						EROSION CONTROL				504	

- Example -
- (1) Project is on IA 60
 - (2) Average Daily Traffic on this section is 4,070
 - (3) The project is in Plymouth County, LeMars bypass to Sioux County
 - (4) The project is 5.5 miles long
 - (5) Sufficiency rating for this section is 31
 - (6) Work Class is Construct for this project
 - Preserve - (no change is roadway dimensions)
 - Modernize - (preservation plus some change of roadway dimension or service characteristics)
 - Rebuild - (on present alignment incorporating existing right-of-way)
 - Construct - (on new alignment and new R.O.W.)
 - (7) Type of Work programmed
 - (8) Project costs programmed for each year

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(01) ADAIR											
25	1970	SLIDE REPAIR 6.5 MILES NORTH OF GREENFIELD		NA	PRESERVE	SIDE DITCH IMPROVEMENT	54				
80	20900	IA 25 INTERCHANGE TO MADISON COUNTY - INLAY (EB)	11.0	90	PRESERVE	PAVEMENT REHAB CULVERT EXTENSION		13096 314			
92	1290	CLARK BRANCH OF WEST NODAWAY RIVER 0.8 MILE EAST OF CASS COUNTY		40	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	8			726	
(03) ALLAMAKEE											
9	2180	MISSISSIPPI RIVER BRIDGE AT LANSING - IOWA SHARE		40	PRESERVE	MISCELLANEOUS RIP RAP	20 104	20	20	20	20
9	2180	MISSISSIPPI RIVER BRIDGE AT LANSING		40	CONSTRUCT	PLANNING STUDY					
18	2600	IN POSTVILLE FROM WEST STREET TO MILITARY ROAD AND 0.3 MILE ON US 51	0.9	45	PRESERVE	PAVEMENT REHAB	1200				
(05) AUDUBON											
71	3890	BLUE GRASS CREEK IN AUDUBON		23	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	9			1114	
71	2010	BLUE GRASS CREEK 1.7 MILES NORTH OF AUDUBON		78	PRESERVE	BRIDGE DECK OVERLAY					144
173	1690	INDIAN CREEK IN KIMBALLTON		8	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	6 889				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(06) BENTON											
30	5130	TAMA COUNTY TO NEAR WEST JCT US 218	13.9	23	REBUILD	PLANNING STUDY					
30	5800	WEST OF US 218 TO MORGAN CREEK IN CEDAR RAPIDS	12.9	23	MODERNIZE	PAVEMENT REHAB/WIDEN CULVERT EXTENSION	1865 30				
150	4300	IN VINTON 17TH TO 4TH STREET - STATE SHARE AND CITY ADMINISTERED	1.2	26	PRESERVE	PAVEMENT REHAB	366				
(07) BLACK HAWK											
57	15600	CEDAR RIVER IN CEDAR FALLS		92	PRESERVE	BRIDGE DECK OVERLAY				632	
58	3790	BLACK HAWK CREEK OVERFLOW IN HUDSON		49	REBUILD	BRIDGE REPLACEMENT				929	
218	6000	STREAM 6.2 MILES NORTHWEST OF LA PORTE CITY		22	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT		9		400	
281	1590	CRANE CREEK IN DUNKERTON		48	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	15			1105	
281	1590	UP RR IN DUNKERTON		47	REBUILD	RIGHT OF WAY BRIDGE REMOVAL	7			624	
(08) BOONE											
30	10100	1 MILE WEST OF US 169 TO IA 17 (EB & WB)	12.9	89	PRESERVE	PAVEMENT REHAB PAVEMENT REHAB/WIDEN BRIDGE APPROACH REPAIR CULVERT EXTENSION GUARDRAIL	600	5286 88 102 212			

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(08) BOONE											
30	8100	DES MOINES RIVER WEST OF BOONE (EB & WB)		53	PRESERVE	BRIDGE DECK OVERLAY					595
210	2050	BIG CREEK 3.2 MILES EAST OF MADRID		84	PRESERVE	BRIDGE DECK OVERLAY				163	
(09) BREMER											
63	4740	IA 3 TO CHICKASAW COUNTY	13.9	17	MODERNIZE	PAVEMENT REHAB/WIDEN	3790				
63	4740	JCT IA 3 TO CHICKASAW COUNTY - ADD 2-LANE	13.9	17	CONSTRUCT	WETLAND MITIGATION		300			
188	1410	CEDAR RIVER OVERFLOW 0.6 MILE EAST OF PLAINFIELD		73	PRESERVE	BRIDGE DECK OVERLAY					146
188	1410	CEDAR RIVER 0.8 MILE EAST OF PLAINFIELD		90	PRESERVE	BRIDGE DECK OVERLAY					318
188	1410	CRANE CREEK 1.1 MILES WEST OF US 63		84	PRESERVE	BRIDGE DECK OVERLAY					105
218	4580	1 MILE SOUTH OF C-33 TO 1 MILE SOUTH OF IA 188	4.9	27	MODERNIZE	PAVEMENT REHAB/WIDEN	1261				
218	5000	WAVERLY BYPASS AT 200TH STREET TO SOUTH OF PLAINFIELD BYPASS AT 150TH STREET	5.5	14	CONSTRUCT	EROSION CONTROL	345				
218		PLAINFIELD BYPASS FROM 150TH STREET TO 130TH STREET	2.3	NA	CONSTRUCT	EROSION CONTROL	235				
218	5000	NORTH OF PLAINFIELD BYPASS AT 130TH STREET TO CHICKASAW COUNTY - ADD 2 LANE	2.3	14	CONSTRUCT	PAVE TRAFFIC SIGNS EROSION CONTROL	2346 20		183		
NA=NOT APPLICABLE											
											Page 69

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(12) BUTLER											
3	2560	IANR RR 1.1 MILES EAST OF IA 188		77	PRESERVE	BRIDGE DECK OVERLAY					149
3	2560	SHELL ROCK RIVER 0.1 MILE WEST OF SHELL ROCK		76	PRESERVE	BRIDGE DECK OVERLAY					231
14	1620	SHELL ROCK RIVER IN GREENE		84	PRESERVE	BRIDGE DECK OVERLAY					422
20	4330	2 MILES EAST OF ACKLEY		NA	PRESERVE	CULVERT REPLACEMENT		57			
20	4330	SOUTH BEAVER CREEK WEST OF PARKERSBURG		10	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	12	783			
57	3580	ABANDONED RR 1.8 MILES EAST OF PARKERSBURG		49	MODERNIZE	BRIDGE REMOVAL	529				
(13) CALHOUN											
20	2900	SAC COUNTY TO WEBSTER COUNTY (KNIERIM) - 4-LANE	24.3	64	CONSTRUCT	RIGHT OF WAY WETLAND MITIGATION CULVERT NEW		2000	2000	109	2081
20	1930	CAMP CREEK 4.2 MILES EAST OF LYTTON		59	PRESERVE	BRIDGE REPLACEMENT				290	
175	1670	RACCOON RIVER 1.8 MILES EAST OF SAC COUNTY		91	PRESERVE	BRIDGE REPAIR	150				
(14) CARROLL											
141	1400	MANNING TO WEST JCT US 71	7.1	84	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN GUARDRAIL	23 1463 9				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(14) CARROLL											
141	1400	EAST JCT US 71 TO DEDHAM	2.7	83	MODERNIZE	SUBDRAINS	10				
						PAVEMENT REHAB/WIDEN	507				
						BRIDGE APPROACH REPAIR	46				
						GUARDRAIL	13				
(15) CASS											
48	1390	MONTGOMERY COUNTY TO GRISWOLD	4.9	72	MODERNIZE	PAVEMENT REHAB/WIDEN	1288				
						GUARDRAIL	10				
48	1390	DRAINAGE DITCH 0.8 MILE SOUTH OF GRISWOLD		97	PRESERVE	BRIDGE DECK OVERLAY				144	
48	1260	EAST NISHNABOTNA RIVER 2 MILES SOUTH OF US 6		62	PRESERVE	BRIDGE REPAIR		103			
71	2280	0.6 MILE NORTH OF US 6 AND IA 83 TO AUDUBON COUNTY	6.7	78	MODERNIZE	PAVEMENT REHAB/WIDEN	1850				
						BRIDGE RAIL RETROFIT	3				
						GUARDRAIL	38				
80	18400	TROUBLESOME CREEK 4.5 MILES EAST OF US 71 INTERCHANGE (EB & WB)		28	REBUILD	BRIDGE REPLACEMENT	2770				
80	18300	INTERCHANGE IMPROVEMENTS AND REPLACE BRIDGES OVER US 71 AND ABANDONED RR		45	CONSTRUCT	BRIDGE REPLACEMENT					980
						GRADE AND PAVE					2533
92	1810	IN GRISWOLD	5.5	83	PRESERVE	PAVEMENT REHAB	400				
148	1860	1.2 MILES SOUTH OF ANITA		NA	CONSTRUCT	CULVERT REPLACEMENT	184				
173	1300	SLIDE REPAIR NORTH OF IA 83		NA	PRESERVE	RIGHT OF WAY	7				
						CULVERT EXTENSION		42			
						SIDE SLOPE FLATTENING		167			
NA=NOT APPLICABLE											
											Page 71

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(16) CEDAR											
30	4730	EAST END OF MOUNT VERNON TO CLINTON COUNTY	22.1	42	REBUILD	PLANNING STUDY					
30	3950	MILL CREEK 3.4 MILES EAST OF STANWOOD		69	PRESERVE	BRIDGE DECK OVERLAY				148	
80	29400	CEDAR RIVER 0.9 MILE WEST OF WEST JCT IA 38 (EB & WB)		61	MODERNIZE	RIGHT OF WAY BRIDGE REPLACEMENT	10	12770			
80	1010	COUNTY ROAD Y-26 OVER I-80		83	PRESERVE	BRIDGE DECK OVERLAY				156	
(17) CERRO GORDO											
35	14900	NORTH OF SWALEDALE TO SOUTH OF CLEAR LAKE (NB & SB)	7.0	99	PRESERVE	PATCHING PAVEMENT REHAB	100 4200	100	300	100	200
65	7300	WINNEBAGO RIVER 0.6 MILE NORTH OF MASON CITY		65	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT		6		802	
65	5600	BLAKE CREEK 2.9 MILES SOUTH OF WORTH COUNTY		15	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			7	336	
122	16700	IN MASON CITY FROM CRESCENT DRIVE TO ILLINOIS AVENUE	3.2	61	PRESERVE	PAVEMENT REHAB	644				
122	20500	CHESLEA CREEK IN MASON CITY		29	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			7	451	

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(19) CHICKASAW											
18	2820	FLOYD COUNTY TO NEW HAMPTON - AT VARIOUS LOCATIONS	11.4	25	MODERNIZE	PAVEMENT REHAB	600				
24	2190	CRANE CREEK IN LAWLER	0.6	47	REBUILD	RIGHT OF WAY GRADE AND PAVE BRIDGE REPLACEMENT			9		325 506
24	2190	STREAM IN LAWLER	0.5	38	REBUILD	RIGHT OF WAY GRADE AND PAVE BRIDGE REPLACEMENT			7		345 397
63	3980	BREMER COUNTY TO IA 346	6.3	17	MODERNIZE	PAVEMENT REHAB/WIDEN	833				
63		NEW HAMPTON BYPASS - 4-LANE	10.0	NA	CONSTRUCT	EROSION CONTROL	588				
218	4560	FROM BREMER COUNTY TO 290TH STREET AT SOUTH END OF NASHUA BYPASS - ADD 2-LANE	2.2	26	CONSTRUCT	PAVE LIGHTING TRAFFIC SIGNS EROSION CONTROL	4328 33 31		160		
218		NASHUA BYPASS - NORTH OF 290TH TO NORTH OF 270TH STREET AT FLOYD COUNTY - 4-LANE	1.9	NA	CONSTRUCT	PAVE CULVERT NEW LIGHTING TRAFFIC SIGNS EROSION CONTROL	3276 125 33 27		257		
(20) CLARKE											
35	13700	REST AREA 2 MILES SOUTH OF US 34 INTERCHANGE		NA	MODERNIZE	REST AREA IMPROVEMENT	300				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(24) CRAWFORD											
30	3480	FLASHER CREEK 2.6 MILES SOUTHWEST OF DOW CITY		57	PRESERVE	BRIDGE DECK OVERLAY				198	
59	3410	SOUTH JCT IA 141 TO SOUTH JCT US 30	5.6	18	MODERNIZE	PAVEMENT REHAB/WIDEN	1500				
59	8700	CC RR IN DENISON (SB)		52	PRESERVE	BRIDGE DECK OVERLAY					271
(25) DALLAS											
44	5400	DALLAS CENTER TO IA 141 IN POLK COUNTY	13.1	28	MODERNIZE	PAVEMENT REHAB/WIDEN	1425				
80	120	REPAIR US 6 BRIDGE OVER I-80		61	PRESERVE	BRIDGE REPAIR	148				
80	32300	REST AREA 1 MILE WEST OF WEST DES MOINES		NA	MODERNIZE	LAGOONS					799
80	32300	74TH STREET INTERCHANGE 1.5 MILES WEST OF I-35 - STATE SHARE		NA	CONSTRUCT	RIGHT OF WAY EROSION CONTROL	526 100				
141		BEAVER CREEK SITE		NA	PRESERVE	WETLAND MITIGATION		235			
(27) DECATUR											
35	12100	MISSOURI STATE LINE TO CLARKE COUNTY (NB & SB)	22.5	86	PRESERVE	PAVEMENT REHAB	5400				
69	4070	ABANDONED RR & STREAM IN LEON		39	MODERNIZE	BRIDGE REPLACEMENT				1263	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(28) DELAWARE											
3	890	SOUTH JCT IA 13 TO DUBUQUE COUNTY	19.7	46	PRESERVE	PAVEMENT REHAB	3490				
(29) DES MOINES											
34	8900	JUST EAST OF HENRY COUNTY TO MT PLEASANT AVE IN BURLINGTON - 4-LANE	10.4	48	REBUILD	RIGHT OF WAY	1765				
						GRADE	8657				
						BRIDGE NEW	4183				
						CULVERT NEW	1073				
						PAVE		18746			
						LIGHTING		415			
						TRAFFIC SIGNS		217			
					EROSION CONTROL			779			
34	11700	MISSISSIPPI RIVER BRIDGE IN BURLINGTON - IOWA SHARE	0.4	83	PRESERVE	MISCELLANEOUS BRIDGE REPAIR	20 105	20	20	20	20
61	13100	INTERSECTION IMPROVEMENTS OF EXISTING US 61 BYPASS IN BURLINGTON (ROOSEVELT AVE)	8.4	69	MODERNIZE	RIGHT OF WAY GRADE AND PAVE	2300 3666				
(31) DUBUQUE											
3	850	DELAWARE COUNTY TO US 52	3.1	81	PRESERVE	PAVEMENT REHAB	549				
20	22400	PEOSTA INTERCHANGE TO DEVON DRIVE IN DUBUQUE - 4 LANES	9.6	27	CONSTRUCT	RIGHT OF WAY	1457				
						TRAFFIC SIGNALS	200				
						GRADE AND PAVE		2617			
						EROSION CONTROL		227			
						LIGHTING		91			
						TRAFFIC SIGNS		86			
					PLANNING STUDY						
20	20300	MISSISSIPPI RIVER BRIDGE IN DUBUQUE - IOWA SHARE	0.5	55	PRESERVE	MISCELLANEOUS	25	30	30	30	30
NA=NOT APPLICABLE											
Page 76											

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(31) DUBUQUE											
20	20300	MISSISSIPPI RIVER BRIDGE IN DUBUQUE - IOWA SHARE	0.5	52	CONSTRUCT	RIGHT OF WAY GRADE AND PAVE WETLAND MITIGATION BRIDGE NEW	3780	2800 9300 500 3000			
32		SOUTHWEST ARTERIAL FROM US 52 TO US 20 IN DUBUQUE	4.6	NA	CONSTRUCT	RIGHT OF WAY		1000	10000	10000	
32		NORTHWEST ARTERIAL FROM JFK ROAD TO US 52 IN DUBUQUE - 4-LANE	4.4	NA	CONSTRUCT	EROSION CONTROL LIGHTING TRAFFIC SIGNALS	242 109 250				
52	20800	CATFISH CREEK AND CC RR IN DUBUQUE		41	REBUILD	RIGHT OF WAY GRADE AND PAVE BRIDGE REPLACEMENT				15	1700 5972
61	12600	IN DUBUQUE AT ELMWOOD DRIVE NORTH OF US 151	0.4	96	MODERNIZE	PAVEMENT REHAB	73				
61	16700	MISSISSIPPI RIVER BRIDGE IN DUBUQUE - IOWA SHARE	0.3	94	PRESERVE	MISCELLANEOUS BRIDGE DECK OVERLAY	20 796	20	20	20	20
151	5010	NE OF CASCADE BYPASS TO US 61 SOUTH OF DUBUQUE - ADD 2-LANE	16.1	29	REBUILD	PAVE TRAFFIC SIGNS EROSION CONTROL	10593 91		917		
(32) EMMET											
9	8500	DES MOINES RIVER IN ESTHERVILLE		88	PRESERVE	BRIDGE DECK OVERLAY					325
15	1740	IN ARMSTRONG FROM IA 9 TO 5TH STREET - STATE SHARE	0.9	66	PRESERVE	PAVEMENT REHAB	70				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(33) FAYETTE											
187	1020	IA 3 TO IA 150	12.0	60	PRESERVE	SUBDRAINS				183	
						PAVEMENT REHAB				3080	
						CULVERT EXTENSION				48	
						GUARDRAIL				36	
(34) FLOYD											
218	4610	NORTH OF 270TH STREET TO TO CHARLES CITY BYPASS - ADD 2-LANE	6.7	22	CONSTRUCT	PAVE	8028				
						BRIDGE NEW	437				
						TRAFFIC SIGNS	55				
						EROSION CONTROL		400			
(35) FRANKLIN											
3	6700	IN HAMPTON FROM 12TH STREET TO 5TH STREET	0.8	74	PRESERVE	PAVEMENT REHAB		760			
35	13690	WRIGHT COUNTY TO CERRO GORDO COUNTY	22.3	96	PRESERVE	PATCHING	50	50	100	50	100
(36) FREMONT											
2	7700	MISSOURI RIVER BRIDGE - IOWA SHARE		80	PRESERVE	MISCELLANEOUS	8	13	8	8	8
2	1370	I-29 TO US 275	7.3	75	REBUILD	SHOULDER GRADING		1638			
						EROSION CONTROL			231		
2		RELOCATED IA 2 - EAST SIDNEY BYPASS - 2-LANE	4.5	NA	CONSTRUCT	RIGHT OF WAY	465				
						WETLAND MITIGATION	300				
						GRADE		2215	3657		
						CULVERT NEW		2247			
						PAVE			3068	4351	
						LIGHTING				69	
						TRAFFIC SIGNS				83	
						EROSION CONTROL					288
NA=NOT APPLICABLE											
											Page 78

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(36) FREMONT											
2	1840	WEST NISHNABOTNA RIVER OVERFLOW 1.1 MILES EAST OF SIDNEY		55	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT				9	1267
2	1840	STREAM 1.9 MILES EAST OF SIDNEY		43	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT				26	618
29	9520	COUNTY ROAD J-26 INTERCHANGE		NA	MODERNIZE	LIGHTING	37				
(37) GREENE											
30	4110	WEST OF IA 25 TO NEAR ECL OF JEFFERSON (EB & WB)	10.1	41	MODERNIZE	CULVERT EXTENSION GUARDRAIL WETLAND MITIGATION	82 108		50		
144	630	COUNTY ROAD E-26 TO WEBSTER COUNTY	11.2	22	PRESERVE	PAVEMENT REHAB BRIDGE REPAIR BRIDGE RAIL RETROFIT		621 52 58			
(38) GRUNDY											
14	3200	NORTH BLACKHAWK CREEK 5.7 MILES NORTH OF IA 175		12	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			8		367
20		RELOCATED US 20-HARDIN COUNTY TO EAST JCT IA 14 - 4-LANE	14.0	NA	CONSTRUCT	EROSION CONTROL	959				
(39) GUTHRIE											
44	3220	BRUSHY CREEK 0.2 MILE EAST OF GUTHRIE CENTER		79	PRESERVE	BRIDGE DECK OVERLAY					261
141	2250	DRY RUN CREEK AT ECL OF BAGLEY		45	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	2		247		
925	1090	SLIDE REPAIRS NEAR STUART		NA	REBUILD	SIDE DITCH IMPROVEMENT		292			
NA=NOT APPLICABLE											
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IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(40) HAMILTON											
20	6900	WEBSTER COUNTY TO WEST JCT IA 17 (EB & WB)	1.4	99	PRESERVE	PAVEMENT REHAB	229				
20	5650	EAST OF US 69 TO EAST OF I-35 (EB & WB)	4.0	97	MODERNIZE	PAVEMENT REHAB/WIDEN GUARDRAIL	2179 37				
35	17700	STORY COUNTY TO WRIGHT COUNTY	23.3	95	PRESERVE	PATCHING		100	150	150	200
175	1960	US 69 IN JEWELL TO HARDIN COUNTY	9.2	63	MODERNIZE	RIGHT OF WAY PAVEMENT REHAB/WIDEN CULVERT EXTENSION GUARDRAIL	3 1697 16 52				
(42) HARDIN											
20		RELOCATED US 20 FROM US 65 TO GRUNDY COUNTY - 4-LANE	13.2	NA	CONSTRUCT	EROSION CONTROL	1646				
65	1620	TIPTON CREEK 2 MILES NORTH OF HUBBARD		53	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	2 611				
65	2450	SOUTH FORK IOWA RIVER 0.6 MILE NORTH OF IA 175		43	REBUILD	BRIDGE REPLACEMENT				400	
65	11400	IOWA RIVER IN IOWA FALLS		4	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT				18	5119
175	1690	HAMILTON COUNTY TO US 65 IN HUBBARD	7.8	48	MODERNIZE	PAVEMENT REHAB/WIDEN CULVERT EXTENSION GUARDRAIL	1428 16 63				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(43) HARRISON											
29	12100	RR & COUNTY ROAD 1.7 MILES NORTH OF IA 300 - SB		49	MODERNIZE	BRIDGE WIDENING		1073			
29	12100	IA 127 INTERCHANGE		49	MODERNIZE	LIGHTING	37				
30	4190	MISSOURI RIVER BRIDGE AT BLAIR - IOWA SHARE		74	PRESERVE	MISCELLANEOUS	15	15	15	15	15
30	4480	WEST OF ALLEN CREEK BRIDGE TO END OF 4-LANE EAST OF I-29	1.3	42	MODERNIZE	PAVEMENT REHAB/WIDEN	1000				
183	600	NCL MISSOURI VALLEY TO SOUTH JCT IA 127	10.0	32	MODERNIZE	SUBDRAINS	72				
						PAVEMENT REHAB/WIDEN	1909				
						CULVERT EXTENSION	115				
						GUARDRAIL	23				
183	650	DRAINAGE DITCH 0.5 MILE SOUTH OF MONONA COUNTY		36	REBUILD	RIGHT OF WAY			13		
						BRIDGE REPLACEMENT				304	
(44) HENRY											
34	3940	JEFFERSON COUNTY TO WEST OF WESTWOOD & BEGINNING OF MOUNT PLEASANT BYPASS - 4-LANE	4.6	53	CONSTRUCT	PAVE	5442		5234		
						RIGHT OF WAY	102				
						GRADE			1408		
						LIGHTING			124		
						TRAFFIC SIGNS			156		
						TRAFFIC SIGNALS			114		
						EROSION CONTROL				885	

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(44) HENRY											
34		MOUNT PLEASANT BYPASS - WEST OF MOUNT PLEASANT TO US 218 - 4-LANE	5.6	NA	CONSTRUCT	RIGHT OF WAY	651				
						WETLAND MITIGATION	183				
						BRIDGE NEW	5200				
						CULVERT NEW	73				
						PAVE		11019			
						LIGHTING		76			
						TRAFFIC SIGNS		126			
						TRAFFIC SIGNALS		89			
						EROSION CONTROL			888		
78	1100	CROOKED CREEK 0.9 MILE WEST OF LOUISA COUNTY		45	REBUILD	RIGHT OF WAY	9				
						BRIDGE REPLACEMENT		557			
218	5640	LEE COUNTY TO 2.9 MILES SOUTH OF US 34 IN MOUNT PLEASANT - 4-LANE	8.2	29	CONSTRUCT	PAVE		6395			
						LIGHTING		64			
						TRAFFIC SIGNS		95			
						TRAFFIC SIGNALS		76			
						EROSION CONTROL			595		
218	5600	NORTH FISH CREEK 2.3 MILES NORTH OF LEE COUNTY		65	PRESERVE	BRIDGE DECK OVERLAY					116
(46) HUMBOLDT											
3	2460	DRAINAGE DITCH 3.2 MILES WEST OF WEST JCT IA 17		52	REBUILD	RIGHT OF WAY	6				
						BRIDGE REPLACEMENT		228			
(47) IDA											
20	2530	WOODBURY COUNTY TO SAC COUNTY - 4-LANE	17.8	66	CONSTRUCT	PLANNING STUDY					

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(47) IDA											
59	1520	CRAWFORD COUNTY TO EAST JCT IA 175	8.4	38	MODERNIZE	PAVEMENT REHAB/WIDEN BRIDGE APPROACH REPAIR BRIDGE REPAIR CULVERT EXTENSION GUARDRAIL	2267 42 238 7 30				
175	1900	STREAM 2.9 MILES NORTHWEST OF BATTLE CREEK		33	REBUILD	BRIDGE REPLACEMENT					353
175	1900	STREAM 3.5 MILES NORTHWEST OF BATTLE CREEK		44	REBUILD	BRIDGE REPLACEMENT					317
(48) IOWA											
80	27150	POWESHIEK COUNTY TO 1 MILE WEST OF COUNTY ROAD V-66 - EB	11.0	82	PRESERVE	PAVEMENT REHAB				1500	1638
(49) JACKSON											
52	2360	MISSISSIPPI RIVER BRIDGE AT SABULA - IOWA SHARE		54	PRESERVE	MISCELLANEOUS BRIDGE REPAIR	15	20	20	20	20 50
52	2920	ICE RR AND MILLS CREEK 0.8 MILE SOUTHEAST OF BELLEVUE		24	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			23	2992	
61	5700	HURSTVILLE TO DUBUQUE COUNTY	15.3	98	PRESERVE	SUBDRAINS	296				
(50) JASPER											
14	4840	IA 163 IN MONROE TO N 4TH AVE IN NEWTON	13.2	53	MODERNIZE	PAVEMENT REHAB/WIDEN GUARDRAIL		2605 110			
65	6700	POLK COUNTY TO COUNTY ROAD F-17	3.9	18	REBUILD	EROSION CONTROL	163				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(50) JASPER											
80	26900	1 MILE EAST OF IA 224 TO POWESHIEK COUNTY - EB & WB	6.0	61	PRESERVE	PAVEMENT REHAB		2076			
330	5460	COUNTY ROAD F-17 TO MARSHALL COUNTY	5.5	46	REBUILD	EROSION CONTROL	377				
(51) JEFFERSON											
1	4770	US 34 TO NCL FAIRFIELD	1.3	77	PRESERVE	PAVEMENT REHAB	500				
34	5040	WAPELLO COUNTY TO CEDAR AVENUE 1 MILE EAST OF BATAVIA BYPASS - 4-LANE - INCLUDES BYPASS	2.2	46	CONSTRUCT	PAVE LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL		3905 57 86 70		275	
34	5040	CEDAR AVENUE 1 MILE EAST OF BATAVIA BYPASS TO WEST END OF FAIRFIELD BYPASS - 4-LANE	3.7	43	CONSTRUCT	PAVE LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL		2466 58 114 69		328	
34		FAIRFIELD BYPASS - 4-LANE	10.7	NA	CONSTRUCT	RIGHT OF WAY WETLAND MITIGATION GRADE CULVERT NEW PAVE BRIDGE NEW LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS	726	886			
									390	17394	
										1081	
											23816
											11131
											434
											288
											145

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(51) JEFFERSON											
34	3220	EAST END OF FAIRFIELD BYPASS TO HENRY COUNTY - 4-LANE	7.7	81	CONSTRUCT	PAVE RIGHT OF WAY GRADE CULVERT NEW LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL	6505 150		5234 1957 484 124 156 187		1108
(52) JOHNSON											
1	15900	RALSTON CREEK WEST OF VANBUREN STREET IN IOWA CITY- STATE SHARE AND CITY ADMINISTERED		17	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	14	874			
1	16700	NORTH DODGE STREET IN IOWA CITY - STATE SHARE & CITY ADMINISTERED		48	REBUILD	RIGHT OF WAY GRADE AND PAVE	1344		4014		
80	45100	WEST OF I-380 INTERCHANGE IN CORALVILLE TO EAST OF IA 1 IN IOWA CITY - 6-LANE	7.3	26	MODERNIZE	PATCHING GRADE AND PAVE PLANNING STUDY	600 3818	300	300	600	1200 21226
80		I-380 INTERCHANGE		NA	MODERNIZE	GRADE AND PAVE					13694
80	40000	IA 965 IN CORALVILLE (EB & EB)		78	MODERNIZE	BRIDGE REMODEL	2582				
380	28900	I-80 TO US 218 IN WATERLOO		79	PRESERVE	PATCHING	200	200	300	400	800
380	31800	CLEAR CREEK 0.5 MILE NORTH OF I-80 (NB & SB)		69	PRESERVE	BRIDGE REPAIR	59				
979	4160	I-80 AT 2.2 MILES EAST OF IOWA CITY		68	PRESERVE	BRIDGE DECK OVERLAY					207
NA=NOT APPLICABLE											
											Page 85

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(53) JONES											
38	1970	WEST JCT IA 64 TO EAST JCT IA 64	2.1	87	PRESERVE	PAVEMENT REHAB	440				
64	2530	US 151 TO WEST JCT IA 38	7.9	61	PRESERVE	PAVEMENT REHAB	1574				
151	7300	ANAMOSA TO MONTICELLO - ADD 2-LANE	11.1	18	REBUILD	PAVE LIGHTING EROSION CONTROL	9192 81	835			
151	5800	MONTICELLO TO CASCADE BYPASS	7.4	18	REBUILD	RIGHT OF WAY EROSION CONTROL	6	477			
(54) KEOKUK											
1	1930	0.2 MILES EAST OF IA 78		NA	PRESERVE	CULVERT REPAIR	63				
149	3790	SCL SIGOURNEY TO IA 92	1.0	56	PRESERVE	PAVEMENT REHAB	350				
(55) KOSSUTH											
169	9900	EAST FORK DES MOINES RIVER IN ALGONA		8	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT		12		2261	
169	2740	US 18 TO NCL BANCROFT	15.1	46	MODERNIZE	PAVEMENT REHAB/WIDEN			3195		
(56) LEE											
2	1810	VAN BUREN COUNTY TO DONNELLSON	8.7	22	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN BRIDGE RAIL RETROFIT CULVERT EXTENSION GUARDRAIL	124 1330 12 9 21				
2	3170	MISSISSIPPI RIVER BRIDGE IN FORT MADISON		47	CONSTRUCT	PLANNING STUDY					
NA=NOT APPLICABLE											
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IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(56) LEE											
16	1460	SUGAR CREEK WEST OF US 218		84	PRESERVE	BRIDGE DECK OVERLAY					168
61		FORT MADISON BYPASS - 4-LANE	9.0	NA	CONSTRUCT	RIGHT OF WAY WETLAND MITIGATION GRADE CULVERT NEW	1592	2795		190	9726 2221
61	12300	WEST JCT IA 2 TO 41ST STREET IN FORT MADISON	1.7	86	PRESERVE	PAVEMENT REHAB	597				
61	8000	LOST CREEK 4.5 MILES NORTH OF FORT MADISON		63	PRESERVE	BRIDGE DECK OVERLAY					182
136	13500	MISSISSIPPI RIVER & RR BRIDGE IN KEOKUK - IOWA SHARE		79	PRESERVE	MISCELLANEOUS BRIDGE REPAIR BRIDGE PAINTING	25 300	30	30	30	30 400
218	4660	NORTH OF DONNELLSON TO HENRY COUNTY - 4-LANE	9.6	39	CONSTRUCT	GRADE WETLAND MITIGATION BRIDGE NEW CULVERT NEW PAVE LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL	5580 60 1466 491	15591 76 127 89		997	
394	2200	MISSOURI STATE LINE TO NORTH OF DONNELLSON - 4-LANE	12.5	49	CONSTRUCT	GRADE AND PAVE RIGHT OF WAY WETLAND MITIGATION LIGHTING TRAFFIC SIGNS EROSION CONTROL	24270 300 697 61 153	6103		949	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(57) LINN											
30	15500	"C" STREET INTERCHANGE IN CEDAR RAPIDS - STATE SHARE AND CITY ADMINISTERED		NA	MODERNIZE	RIGHT OF WAY WETLAND MITIGATION GRADE AND PAVE TRAFFIC SIGNALS		109	225	2621	4612 125
100		US 30 TO EDGEWOOD ROAD IN CEDAR RAPIDS - 4-LANE	7.0	NA	CONSTRUCT	RIGHT OF WAY GRADE WETLAND MITIGATION BRIDGE NEW PAVE	2760	9350	12874 400	29888	17744
151	9800	IA 13 TO IA 1 IN JONES COUNTY	11.4	92	PRESERVE	SUBDRAINS PAVEMENT REHAB BRIDGE RAIL RETROFIT GUARDRAIL	170 1875 12 30				
380	9100	7TH STREET NE OVER I-380 IN CEDAR RAPIDS (SB)		76	PRESERVE	BRIDGE DECK OVERLAY				223	
380	80800	IN CEDAR RAPIDS AT 1ST/4TH, UP/IN/CC RR,IA 922/3RD AVE AND CEDAR RIVER (NB)		90	PRESERVE	BRIDGE REPAIR	1200				
380		REST AREA REPAIRS		NA	PRESERVE	REST AREA IMPROVEMENT	150				
922	17700	IN CEDAR RAPIDS FROM 5TH TO 10TH STREET - STATE SHARE AND CITY ADMINISTERED	0.4	66	PRESERVE	PAVEMENT REHAB	500				
(58) LOUISA											
61	4690	DRAINAGE DITCH 2.9 MILES SOUTH OF WAPELLO AND IOWA RIVER OVERFLOW 0.6 MILE NORTH OF WAPELLO		92	PRESERVE	BRIDGE REPAIR	123				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(58) LOUISA											
92	3630	WASHINGTON COUNTY TO IA 70 IN COLUMBUS JUNCTION	6.9	29	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN GUARDRAIL	36 1624 7				
92	3200	ECL COLUMBUS JCT TO US 61	8.5	80	PRESERVE	SUBDRAINS PAVEMENT REHAB BRIDGE RAIL RETROFIT	86 2206 73				
(59) LUCAS											
14	1510	WOLF CREEK 1.1 MILES NORTH OF WAYNE COUNTY		33	REBUILD	BRIDGE REPLACEMENT				652	
34	3190	WCL CHARITON TO 2.5 MILES EAST OF IA 97	11.7	45	PRESERVE	PAVEMENT REHAB	2332				
(60) LYON											
18	1780	BIG SIOUX RIVER - IOWA SHARE		93	PRESERVE	BRIDGE REPAIR	300				
(61) MADISON											
80	21300	ADAIR COUNTY TO DALLAS COUNTY (EB)	2.0	79	PRESERVE	PAVEMENT REHAB		2564			
92	4020	IN PATTERSON AT 3RD STREET		NA	PRESERVE	RIGHT OF WAY	1				
169	3190	SLIDE REPAIRS AT 6.0, 7.7 AND 10.5 MILES NORTH OF WINTERSET		NA	PRESERVE	SIDE DITCH IMPROVEMENT	164				

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(62) MAHASKA											
63		EDDYVILLE BYPASS - 4-LANE	3.2	NA	CONSTRUCT	PAVE		9629			
						WETLAND MITIGATION		200			
						LIGHTING		84			
						TRAFFIC SIGNS		222			
						TRAFFIC SIGNALS		63			
						EROSION CONTROL			349		
63	3020	0.3 MILE SOUTH OF POWESHIEK COUNTY		NA	CONSTRUCT	RIGHT OF WAY	3				
						CULVERT REPLACEMENT	86				
92	4940	IN OSKALOOSA	2.7	73	PRESERVE	SUBDRAINS	17				
						PAVEMENT REHAB	1139				
						GUARDRAIL	38				
(63) MARION											
5	5200	4-LANE AT KNOXVILLE TO EAST OF IA 92/IA 181 INTERSECTION	6.4	12	MODERNIZE	PAVEMENT REHAB/WIDEN	1148				
5		EAST OF IA 92/IA 181 INTERSECTION TO NW OF NCL OF PLEASANTVILLE - 4-LANE (PLEASANTVILLE BYPASS)	3.9	NA	REBUILD	PAVE	4712				
						LIGHTING	55				
						TRAFFIC SIGNS	80				
						EROSION CONTROL		274			
5	5100	NORTHWEST OF NCL PLEASANTVILLE TO WARREN COUNTY	3.6	16	REBUILD	EROSION CONTROL	263				
(64) MARSHALL											
30	5700	STORY COUNTY TO IA 330	11.1	27	REBUILD	PLANNING STUDY					
						RIGHT OF WAY				158	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(64) MARSHALL											
30	10300	3 MILES WEST OF LE GRAND TO TAMA COUNTY - ADD 2-LANE	4.3	11	REBUILD	PAVE BRIDGE REMOVAL LIGHTING TRAFFIC SIGNS EROSION CONTROL		11206 119 42 114			
									374		
330	6600	JASPER/STORY COUNTY TO US 30	14.8	41	REBUILD	EROSION CONTROL	913				
330	3630	0.9 MILE NORTH OF US 30 TO 1.8 MILES NORTH OF COUNTY ROAD E-29	6.6	35	MODERNIZE	RIGHT OF WAY PAVEMENT REHAB/WIDEN CULVERT REPLACEMENT	3	1390 16			
(65) MILLS											
29	11800	FREMONT COUNTY TO POTTAWATTAMIE COUNTY	23.3	85	PRESERVE	PATCHING			100	100	200
34	1200	MISSOURI RIVER TO I-29	3.9	36	REBUILD	PLANNING STUDY					
34	8700	BNSF RR 0.1 MILE EAST OF NORTH JCT I-29		96	PRESERVE	BRIDGE DECK OVERLAY				172	
59	1060	US 34 0.8 MILE NORTH OF EMERSON		84	PRESERVE	BRIDGE DECK OVERLAY				253	
(67) MONONA											
29	10700	COUNTY ROAD E-60 (BLENCO) TO IA 175 (SB)	7.0	96	PRESERVE	PATCHING PAVEMENT REHAB CULVERT REPLACEMENT	100 2957	100 50	150	100	200
141	1880	WOODBURY COUNTY TO MAPLETON	4.0	67	MODERNIZE	GRADE CULVERT EXTENSION					827 43

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(67) MONONA											
175	1160	MAPLE RIVER NEAR CASTANA		95	PRESERVE	RIGHT OF WAY RIP RAP	2			726	
183	650	SOLDIER RIVER OVERFLOW 0.6 MILE NORTH OF HARRISON COUNTY		62	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT		12		196	
(68) MONROE											
34	2520	JCT IA 68 TO WCL ALBIA	12.9	75	PRESERVE	PAVEMENT REHAB	3237				
(69) MONTGOMERY											
34	3020	CRABAPPLE CREEK 2.4 MILES WEST OF COUNTY ROAD M-37		80	PRESERVE	BRIDGE DECK OVERLAY				122	
34	2650	TARKIO CREEK 0.2 MILE EAST OF COUNTY ROAD M-63		88	PRESERVE	BRIDGE DECK OVERLAY		111			
48	2150	US 34 IN RED OAK TO CASS COUNTY	13.8	72	MODERNIZE	PAVEMENT REHAB/WIDEN BRIDGE RAIL RETROFIT CULVERT REPAIR GUARDRAIL	3302 36 22 42				
71	880	US 34 TO CASS COUNTY	12.6	72	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN CULVERT REPAIR GUARDRAIL		694 4876 9 20			
71	1180	LONG BRANCH CREEK 2.0 MILES NORTH OF COUNTY ROAD H-34		95	PRESERVE	BRIDGE DECK OVERLAY				130	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(70) MUSCATINE											
6	5200	MUD CREEK 1.4 MILES SOUTH OF WILTON		78	PRESERVE	BRIDGE DECK OVERLAY					116
6	5200	IAIS RR 1.1 MILES SOUTH OF WILTON		76	PRESERVE	BRIDGE DECK OVERLAY	169				
22	2450	ECL NICHOLS TO EAST JCT IA 70	2.7	89	PRESERVE	PAVEMENT REHAB	1018				
38	7600	IN MUSCATINE FROM IA 22 TO CLAY STREET	1.3	49	PRESERVE	PAVEMENT REHAB	519				
61		MUSCATINE BYPASS INTERSECTION IMPROVEMENTS	7.2	NA	MODERNIZE	RIGHT OF WAY GRADE AND PAVE TRAFFIC SIGNALS	20 2972 199				
70	3050	GOSHEN DITCH 1.9 MILES SOUTH OF WEST LIBERTY		53	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	5				191
92	3890	MISSISSIPPI RIVER & RR BRIDGE IN MUSCATINE - IOWA SHARE		73	PRESERVE	MISCELLANEOUS	20	25	25	25	25
(71) O'BRIEN											
60		SHELDON BYPASS - SOUTH OF SHELDON TO 0.9 MILE NORTH OF OSCEOLA COUNTY - 4-LANE	9.8	NA	CONSTRUCT	RIGHT OF WAY WETLAND MITIGATION GRADE CULVERT NEW PAVE BRIDGE NEW LIGHTING TRAFFIC SIGNS EROSION CONTROL	3187 52	14742 1845	7604 6641	10000	69 83 1068

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(75) PLYMOUTH											
3	2340	SCL WESTFIELD TO AKRON	4.7	84	MODERNIZE	SUBDRAINS	80				
						PAVEMENT REHAB/WIDEN	1478				
						BRIDGE RAIL RETROFIT	35				
						CULVERT EXTENSION	27				
3	810	BIG SIOUX OVERFLOW 0.2 MILE WEST OF SOUTH JCT IA 12		80	PRESERVE	BRIDGE DECK OVERLAY					109
3	810	BIG SIOUX OVERFLOW 0.6 MILE WEST OF SOUTH JCT IA 12		83	PRESERVE	BRIDGE DECK OVERLAY					112
3	2760	WEST BRANCH OF FLOYD RIVER 1.6 MILES WEST OF LEMARS		42	REBUILD	RIGHT OF WAY	14				
						BRIDGE REPLACEMENT		823			
12	1740	WOODBURY COUNTY TO SCL WESTFIELD	16.0	45	MODERNIZE	SUBDRAINS	173				
						PAVEMENT REHAB/WIDEN	3516				
						CULVERT REPAIR	34				
						GUARDRAIL	108				
60		LE MARS BYPASS - 4-LANE	4.2	NA	CONSTRUCT	RIGHT OF WAY	571	1073			
						BRIDGE NEW		728		9145	
						GRADE AND PAVE		1450			
						WETLAND MITIGATION		50			
						GRADE			7536		
						CULVERT NEW			499		
						PAVE				9596	
						LIGHTING				91	
						TRAFFIC SIGNS				36	
						TRAFFIC SIGNALS				97	
						EROSION CONTROL					1126

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(75) PLYMOUTH											
60	4070	LE MARS BYPASS TO SIOUX COUNTY - ADD 2-LANE AND SENEY BYPASS	5.5	31	CONSTRUCT	RIGHT OF WAY GRADE WETLAND MITIGATION BRIDGE NEW CULVERT NEW PAVE LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL	904	3399 50 298 775	7103 79 27 99	504	
75	9800	DRAINAGE DITCH 0.5 MILE NORTH OF HINTON		55	PRESERVE	BRIDGE DECK OVERLAY				69	
75	8400	WEST FORK FLOYD RIVER IN MERRILL		72	PRESERVE	BRIDGE REPAIR		91			
75	9700	SIDE DITCH AT NCL LE MARS (170TH ST & ENTRANCE)		NA	CONSTRUCT	CULVERT REPLACEMENT	170				
75	8000	FLOYD RIVER IN LE MARS		62	PRESERVE	BRIDGE REPAIR		91			
(77) POLK											
5		FROM RELOCATED IA 28 TO I-35 INTERCHANGE IN WEST DES MOINES	4.2	NA	CONSTRUCT	RIGHT OF WAY FENCING EROSION CONTROL TRAFFIC SIGNS	515 366 191 314				
5		FROM 50TH STREET TO I-35 IN WEST DES MOINES	1.5	NA	CONSTRUCT	EROSION CONTROL	89				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE	PROJECT ESTIMATED COSTS X \$1000				
						OF WORK	2003	2004	2005	2006	2007

(77) POLK											
6	28000	WEST OF I-35/I-80 TO MERLE HAY ROAD IN WEST DES MOINES	4.4	8	PRESERVE	SUBDRAINS	118				
						PAVEMENT REHAB	1658				
						CULVERT EXTENSION	27				
						GUARDRAIL	38				
6		DOUGLAS AVENUE & BEAVER AVENUE IN DES MOINES - STATE SHARE AND CITY ADMINISTERED	0.5	NA	MODERNIZE	RIGHT OF WAY	679				
6	9900	NE 46TH AVENUE TO I-80	1.5	36	MODERNIZE	SUBDRAINS	37				
						PAVEMENT REHAB/WIDEN	1345				
28	27340	HICKMAN ROAD TO MADISON AVENUE IN WEST DES MOINES	1.3	30	PRESERVE	PAVEMENT REHAB	494				
28	16800	IN DES MOINES FROM UNIVERSITY TO HICKMAN AVENUE	0.9	73	PRESERVE	PAVEMENT REHAB	168				
35		UNIVERSITY AVENUE INTERCHANGE IN WEST DES MOINES & CLIVE - STATE SHARE/CITY ADMINISTERED		NA	CONSTRUCT	GRADE AND PAVE		1000			
35		DOUGLAS AVENUE AND I-80/35 IN URBANDALE - STATE SHARE AND CITY ADMINISTERED		NA	REBUILD	RIGHT OF WAY	478				
						BRIDGE NEW	1440				
						LIGHTING	73				
						TRAFFIC SIGNALS	100				
						EROSION CONTROL		150			
35	52500	I-80 INTERCHANGE TO 1ST STREET IN ANKENY	5.6	32	MODERNIZE	RIGHT OF WAY	378				
						GRADE AND PAVE	15500				
						BRIDGE REPLACEMENT	1500				
						CULVERT NEW	73				
						TRAFFIC SIGNS	300				
						FENCING		105			
						EROSION CONTROL		225			

NA=NOT APPLICABLE											
											Page 97

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(77) POLK											
35	31900	COUNTY ROAD F-22 TO STORY COUNTY	3.0	86	PRESERVE	PATCHING	100	100	300	100	200
65	9900	I-80 TO 2ND AVENUE NE IN BOUDURANT (SB)	3.4	78	MODERNIZE	PAVEMENT REHAB/WIDEN GUARDRAIL	1321 65				
65	7900	NORTHEAST OF COUNTY ROAD S-27 TO JASPER COUNTY	0.5	18	REBUILD	EROSION CONTROL WETLAND MITIGATION	26	220			
69	18000	WARREN COUNTY TO IA 5	2.8	48	MODERNIZE	PAVEMENT REHAB/WIDEN		1047			
69	14400	NCL DES MOINES AT AURORA AVE TO IA 160 IN ANKENY	3.5	22	PRESERVE	PAVEMENT REHAB	1261				
80	36900	US 65 INTERCHANGE		33	PRESERVE	PAVEMENT REHAB	1300				
141		INTERCHANGE MODIFICATION IN URBANDALE (RYDER CORNER)		NA	MODERNIZE	RIGHT OF WAY GRADE AND PAVE TRAFFIC SIGNALS	279	1126 125			
235	102600	WEST I-35/I-80 INTERCHANGE TO EAST I-35/I-80 INTERCHANGE - STATE SHARE	14.3	53	REBUILD	GRADE AND PAVE BRIDGE REPLACEMENT RIGHT OF WAY WETLAND MITIGATION PATCHING BRIDGE WIDENING LIGHTING	32484 25903 5230 300 400 5974	22249 32610 10135	78290 37319 5965	47240 24388 6233	53661
415	980	BIG CREEK DIVIDE CHANNEL 1.3 MILES NORTHWEST OF POLK CITY		72	PRESERVE	BRIDGE DECK OVERLAY					241
NA=NOT APPLICABLE											
											Page 98

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(78) POTTAWATTAMIE											
6	31900	BROADWAY STREET VIADUCT IN COUNCIL BLUFFS - US 6 OVER RR, CITY STREETS AND INDIAN CREEK		33	REBUILD	PLANNING STUDY					
29	59600	US 275 INTERCHANGE	0.5	NA	REBUILD	GRADE AND PAVE LIGHTING TRAFFIC SIGNS EROSION CONTROL	1024 50 50	30			
29	37900	COUNCIL BLUFFS AREA INTERSTATE STUDY		39	MODERNIZE	PLANNING STUDY					
29	53600	WEST JCT I-80 TO IA 192 IN COUNCIL BLUFFS	6.0	21	PRESERVE	TRAFFIC SIGNS	450				
29	17600	PIGEON CREEK 1.8 MILES SOUTH OF SOUTH JCT I-680 (SB & NB)		60	REBUILD	BRIDGE REPLACEMENT	1493	1560			
80	68200	MISSOURI RIVER BRIDGE IN COUNCIL BLUFFS - IOWA SHARE		78	PRESERVE	MISCELLANEOUS BRIDGE PAINTING	17	17 771	17	17	17
80	59600	WEST JCT I-29/I-80 TO EAST JCT I-29/I-80 IN COUNCIL BLUFFS - 6-LANE RECONSTRUCTION	4.0	21	REBUILD	BRIDGE WIDENING GRADE AND PAVE				4180	30000
80		REST AREA REPAIRS		NA	PRESERVE	REST AREA IMPROVEMENT	250				
80		REST AREA 1 MILE NORTH OF COUNTY ROAD G-30 NEAR UNDERWOOD		NA	MODERNIZE	REST AREA IMPROVEMENT			500		
83	1430	STREAM 4.2 MILES WEST OF US 59		33	REBUILD	CULVERT REPLACEMENT	142				
92	1480	SLIDE REPAIR 8 MILES WEST OF GRISWOLD		NA	PRESERVE	SIDE DITCH IMPROVEMENT	75				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(78) POTTAWATTAMIE											
92	1480	WALNUT CREEK 3.1 MILES WEST OF CASS COUNTY		74	PRESERVE	BRIDGE REPAIR	130				
183	4050	CRESCENT CREEK IN CRESCENT		87	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	4 318				
275	7200	MISSOURI RIVER & RR BRIDGE IN COUNCIL BLUFFS - IOWA SHARE	5.2	43	REBUILD	GRADE AND PAVE BRIDGE REPLACEMENT				17360	5000 16463
275	7200	MISSOURI RIVER & RR BRIDGE IN COUNCIL BLUFFS - IOWA SHARE		43	PRESERVE	MISCELLANEOUS	7	7	7	7	7
480	54200	MISSOURI RIVER & RR BRIDGE IN COUNCIL BLUFFS - IOWA'S SHARE		70	PRESERVE	MISCELLANEOUS	6	7	7	7	7
680	14700	MISSOURI RIVER BRIDGE AND CITY STREET 3.1 MILES WEST OF I-29 INTERCHANGE (WB) - IOWA'S SHARE		81	PRESERVE	MISCELLANEOUS BRIDGE DECK OVERLAY	6	6	7 166	7	7
680	14700	MISSOURI RIVER BRIDGE AND CITY STREET 3.1 MILES WEST OF I-29 INTERCHANGE (EB) - IOWA'S SHARE		49	PRESERVE	MISCELLANEOUS BRIDGE DECK OVERLAY	6	6	7 612	7	7
(79) POWESHIEK											
6	1790	US 63 TO IA 419	16.6	91	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN BRIDGE REPAIR		253 3578 303			
63	3020	0.9 MILE SOUTH OF I-80		NA	CONSTRUCT	RIGHT OF WAY CULVERT REPLACEMENT	3 82				
80	26700	JASPER COUNTY TO 2 MILES EAST OF US 63 INTERCHANGE - EB & WB	9.4	75	PRESERVE	PAVEMENT REHAB		1324			
NA=NOT APPLICABLE											
											Page 100

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(79) POWESHIEK											
85	920	ECL MONTEZUMA TO WEST OF IA 21	8.4	44	PRESERVE	SUBDRAINS PAVEMENT REHAB GUARDRAIL	59 1452 42				
146	2940	BEAR CREEK 0.5 MILE SOUTH OF COUNTY ROAD F-17		69	PRESERVE	BRIDGE REPLACEMENT				557	
(80) RINGGOLD											
66	550	WEST FORK GRAND RIVER 0.6 MILE NORTH OF IA 2		44	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			10		894
(81) SAC											
20	1790	FROM IDA COUNTY LINE TO NORTH JCT US 71 - 4-LANE	8.9	51	CONSTRUCT	PLANNING STUDY					
20	3260	NORTH JCT US 71 TO CALHOUN COUNTY - 4-LANE	18.5	57	CONSTRUCT	RIGHT OF WAY			835	1193	1431
20		INDIAN CREEK BANK		NA	PRESERVE	WETLAND MITIGATION	2190	1500			
20	5300	RACCOON RIVER IN SAC CITY		48	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	13	737			
71	1910	CC RR 4.1 MILES NORTH OF AUBURN		58	PRESERVE	BRIDGE REPLACEMENT					273

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(82) SCOTT											
74	37800	I-74/I-80/I-280 PATCHING IN DAVENPORT & BETTENDORF	3.5	55	PRESERVE	PATCHING	400	400	400	400	800
74	71400	MISSISSIPPI RIVER, RR & US 67 BRIDGE IN BETTENDORF - IOWA BOUND (NB) - IOWA SHARE		42	PRESERVE	MISCELLANEOUS BRIDGE REPAIR	20 1045	25	25 500	25	25
74	71400	MISSISSIPPI RIVER, RR & US 67 BRIDGE IN BETTENDORF-ILLINOIS BOUND (SB) - IOWA SHARE		43	PRESERVE	MISCELLANEOUS BRIDGE REPAIR	20 1045	25	25 500	25	25
74	37800	SOUTH OF 23RD AVENUE IN MOLINE ILLINOIS TO NORTH OF 53RD STREET INTERCHANGE IN DAVENPORT (INCLUDES MISSISSIPPI BRIDGE)		54	MODERNIZE	PLANNING STUDY					
80	20600	US 61 TO MISSISSIPPI RIVER BRIDGE - EB & WB	11.2	80	PRESERVE	PAVEMENT REHAB					9130
80	20600	REST AREA IN BETTENDORF		NA	MODERNIZE	REST AREA IMPROVEMENT	547				
80	29800	MISSISSIPPI RIVER & RR BRIDGE IN LE CLAIRE - IOWA SHARE		72	PRESERVE	MISCELLANEOUS BRIDGE REPAIR	20 100	25	25	25	25
280	20200	MISSISSIPPI RIVER BRIDGE IN DAVENPORT - IOWA SHARE		72	PRESERVE	MISCELLANEOUS BRIDGE REPAIR BRIDGE PAINTING	15	20	20 80 250	20	20
(83) SHELBY											
173	1440	ELK HORN CREEK 0.8 MILE SOUTH OF ELK HORN		51	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT	13 888				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(84) SIOUX											
10	2100	WILLOW CREEK 3.7 MILES EAST OF IA 60 WEST OF GRANVILLE		53	REBUILD	BRIDGE REPLACEMENT					679
60	3530	PLYMOUTH COUNTY TO 2 MILES SOUTH OF ALTON - ADD 2-LANE AND CARNES BYPASS	5.4	39	CONSTRUCT	RIGHT OF WAY GRADE BRIDGE NEW CULVERT NEW PAVE TRAFFIC SIGNS EROSION CONTROL	546	3220 298 716	6854 27		497
60		ALTON BYPASS - 2 MILES SOUTH TO 1 MILE NORTH OF ALTON - 4-LANE	5.3	NA	CONSTRUCT	GRADE WETLAND MITIGATION BRIDGE NEW CULVERT NEW PAVE LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL	5211 21 5072 148	8525 63 76 86		810	
60	4240	1 MILE NORTH OF ALTON TO SOUTH OF SHELTON - ADD 2-LANE AND HOSPERS BYPASS	12.9	47	CONSTRUCT	RIGHT OF WAY WETLAND MITIGATION GRADE BRIDGE NEW CULVERT NEW PAVE LIGHTING TRAFFIC SIGNS TRAFFIC SIGNALS EROSION CONTROL	1092 42	4728 1388 2049	19649 79 99 119		1243
75	10500	IN SIOUX CENTER FROM SCL TO NCL	3.5	98	PRESERVE	PAVEMENT REHAB					1446

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(87) TAYLOR											
148	1040	WEST FORK RIVER 7.1 MILES NORTH OF GRAVITY		88	PRESERVE	BRIDGE DECK OVERLAY				171	
(88) UNION											
25	1090	BRANCH PLATTE RIVER 2.9 MILES SOUTH OF US 34		61	PRESERVE	BRIDGE REPLACEMENT	592				
34	8600	IN CRESTON AND INCLUDES IA 25 IMPROVEMENTS	0.5	28	MODERNIZE	PAVEMENT REHAB TRAFFIC SIGNALS		2370 130			
(89) VAN BUREN											
1	2840	DES MOINES RIVER IN KEOSAUQUA		15	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT		13		3806	
2	2030	COUNTY ROAD W-40 TO LEE COUNTY	6.7	59	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN BRIDGE RAIL RETROFIT CULVERT EXTENSION GUARDRAIL	18 1098 11 11 15				
2	2140	DES MOINES RIVER 0.2 MILE WEST OF FARMINGTON		18	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			6		4157
16	1140	STUMP CREEK 0.3 MILE EAST OF SELMA		40	REBUILD	BRIDGE REPLACEMENT	589				

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(90) WAPELLO											
34	9180	110TH STREET IN OTTUMWA TO OLD AGENCY ROAD - 4-LANE	2.2	87	CONSTRUCT	BRIDGE NEW	455		1198		
						RIGHT OF WAY	641				
						GRADE	4421				
						CULVERT NEW	1880				
						PAVE		2119	3213		
						TRAFFIC SIGNS		75			
						EROSION CONTROL			172		
						LIGHTING			119		
34		AGENCY BYPASS - OLD AGENCY ROAD TO 1 MILE EAST OF IA 16 - 4-LANE	6.3	NA	CONSTRUCT	RIGHT OF WAY	1045	1092			
						GRADE			7511		
						WETLAND MITIGATION			110		
						CULVERT NEW			2217		
						PAVE				8954	
						BRIDGE NEW				1884	
						LIGHTING				125	
						TRAFFIC SIGNS				149	
						TRAFFIC SIGNALS				125	
						EROSION CONTROL					601
34	6960	1 MILE EAST OF IA 16 TO JEFFERSON COUNTY - 4-LANE	2.0	59	CONSTRUCT	RIGHT OF WAY	10				
						GRADE		463			
						PAVE		2150			
						CULVERT NEW		44			
						LIGHTING		114			
						TRAFFIC SIGNS		75			
						TRAFFIC SIGNALS		86			
						EROSION CONTROL			174		
63	18900	WAPELLO STREET VIADUCT IN OTTUMWA - DES MOINES RIVER, IA 23 AND BNSF RR		47	REBUILD	BRIDGE REPAIR PLANNING STUDY				1500	1500
63	11950	IN OTTUMWA FROM 4TH STREET TO RR BRIDGES	2.4	77	PRESERVE	PAVEMENT REHAB		1774			

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(90) WAPELLO											
63	8400	ICE RR NORTH OF NORTH COURT STREET IN OTTUMWA - SB		78	PRESERVE	BRIDGE DECK OVERLAY	190				
63	11900	RR BRIDGES IN OTTUMWA NORTH TO END OF 4-LANE	2.5	79	MODERNIZE	PAVEMENT REHAB/WIDEN	1625				
63		NE OTTUMWA BYPASS FROM IA 149 TO 110TH STREET IN OTTUMWA - 4-LANE	6.8	NA	CONSTRUCT	RIGHT OF WAY	732				
						BRIDGE NEW		1240		10702	
						WETLAND MITIGATION		210			
						CULVERT NEW		3838			
						PAVE			3923	11506	
						GRADE			20290		
						LIGHTING				748	
						TRAFFIC SIGNS				187	
						TRAFFIC SIGNALS				124	
						EROSION CONTROL					521
63		US 34 INTERSECTION IN OTTUMWA		NA	MODERNIZE	GRADE AND PAVE		700			
137	4530	COUNTY ROAD T-61 TO EDDYVILLE BYPASS - INCLUDES DES MOINES RIVER BRIDGE	1.2	24	CONSTRUCT	RIGHT OF WAY	13				
						GRADE AND PAVE		2255			
						WETLAND MITIGATION		50			
						BRIDGE REMOVAL		303			
						BRIDGE REPLACEMENT		4925			
						CULVERT REPLACEMENT		110			
						LIGHTING		49			
(91) WARREN											
5	4990	MARION COUNTY LINE TO SOUTH RIVER	1.8	57	REBUILD	EROSION CONTROL	145				
5	4990	SOUTH RIVER TO EAST OF COUNTY ROAD S-23	4.4	14	REBUILD	EROSION CONTROL	344				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
(91) WARREN											
35	16500	CLARKE COUNTY TO POLK COUNTY	24.0	94	PRESERVE	PATCHING	100		100	200	400
35	16500	CLANTON CREEK 2.1 MILES SOUTH AND ABANDONED RR 1.9 MILES SOUTH OF IA 92 INTERCHANGE(NB)		34	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			19	3030	
35	16500	ABANDONED RR 1.9 MILES SOUTH AND CLANTON CREEK 2.1 MILES SOUTH OF IA 92 INTERCHANGE(SB)		61	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			19	1432	
35	1230	COUNTY ROAD G-14 AT 2 MILES SOUTH OF POLK COUNTY		27	REBUILD	RIGHT OF WAY		694			
65	2850	OTTER CREEK 1.6 MILES SOUTH OF IA 205		24	PRESERVE	BRIDGE REPAIR	50				
65	6600	SOUTH RIVER 1.9 MILES SOUTH OF INDIANOLA		51	PRESERVE	BRIDGE REPAIR	55				
69	1730	CLARKE COUNTY TO JCT IA 349 AND US 65	10.6	23	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN	161 1956				
(92) WASHINGTON											
1	2930	WALNUT CREEK 3.6 MILES NE OF BRIGHTON		28	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT			8	537	
92	3630	US 218 TO LOUISA COUNTY	2.8	34	MODERNIZE	WETLAND MITIGATION SUBDRAINS PAVEMENT REHAB/WIDEN GUARDRAIL	100 18 659 30				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
							2003	2004	2005	2006	2007
(97) WOODBURY											
12	26500	GORDON DRIVE VIADUCT IN SIOUX CITY - UP RR/FLOYD RIVER/US 75		30	REBUILD	PLANNING STUDY					
12	1740	MILITARY ROAD TO PLYMOUTH COUNTY	2.8	69	MODERNIZE	SUBDRAINS PAVEMENT REHAB/WIDEN	26 429				
12	15100	ABANDONED RR IN SIOUX CITY		47	PRESERVE	BRIDGE DECK OVERLAY					164
20	10960	IA 12 TO LAWTON (EB & WB)	7.7	90	MODERNIZE	PAVEMENT REHAB/WIDEN	3718				
20	9800	BIG WHISKEY CREEK 3.9 MILES WEST OF LAWTON (EB & WB)		41	REBUILD	BRIDGE REPAIR RIGHT OF WAY BRIDGE REPLACEMENT	125			16	1587
20	9800	ELLIOT CREEK IN LAWTON (WB)		39	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT				11	1052
20	8400	WEST FORK LITTLE SIOUX RIVER WEST OF MOVILLE (WB)		39	REBUILD	RIGHT OF WAY BRIDGE REPLACEMENT		8 429			
20	3740	SIOUX CITY TO IDA COUNTY - 4-LANE	17.5	43	CONSTRUCT	PLANNING STUDY					
29	24400	INTERCHANGE FOR SIOUX GATEWAY AIRPORT/SERGEANT BLUFF - STATE SHARE		76	MODERNIZE	GRADE AND PAVE BRIDGE REPLACEMENT LIGHTING TRAFFIC SIGNS EROSION CONTROL	5470 2380 100 68		110		
29	29800	HAMILTON BLVD INTERCHANGE FOR SB RAMPS - STATE SHARE		62	MODERNIZE	GRADE AND PAVE			1000		
29	28800	MONONA COUNTY TO US 20/US 275 INTERCHANGE	4.0	79	PRESERVE	PATCHING	100	100	200	100	200

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK	TYPE	PROJECT ESTIMATED COSTS X \$1000				
					CLASS	OF WORK	2003	2004	2005	2006	2007
(00) STATEWIDE											
		STATEWIDE RAILROAD CROSSINGS		NA	PRESERVE	MISCELLANEOUS	1000	1000	1000	1000	1000
		CONSTRUCTION INDUSTRY TRAINING PROGRAM		NA	PRESERVE	MISCELLANEOUS	500	500	500	500	500
		STATEWIDE CONSULTANT SERVICES		NA	CONSTRUCT	OUTSIDE SERV. ENGINEER	42500	40000	40000	40000	40000
		EMERGENCY & CONTINGENCY - U-STEP/ C-STEP/TJ RESERVE		NA	PRESERVE	MISCELLANEOUS	6000	6000	6000	6000	6000
		COOPERATIVE CITY/COUNTY/STATE HIGHWAY RESEARCH AND IOWA TRANSPORTATION CENTER - STATE SHARE		NA	PRESERVE	MISCELLANEOUS	1500	1500	1500	1500	1500
		TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS AND SIGN REHABILITATION		NA	MODERNIZE	TRAFFIC SIGNS	1250	1250	1250	1250	1250
		STATEWIDE CONTRACT MAINTENANCE		NA	PRESERVE	MISCELLANEOUS	16000	16000	16000	16000	16000
		STATEWIDE ROADSIDE IMPROVEMENT		NA	PRESERVE	MISCELLANEOUS	5000	6000	6000	7000	7000
		CORRIDOR PRESERVATION		NA	PRESERVE	PRESERVE CORRIDOR ROW	500	500	500	500	500
		MANAGEMENT SYSTEMS IMPLEMENTATION		NA	PRESERVE	OUTSIDE SERV. PLANNING	1000	1000	1000	1000	1000
		STATEWIDE ASBESTOS REMOVAL		NA	REBUILD	ASBESTOS REMOVAL	300	300	300	300	300
		MATERIALS SHOP FABRICATION INSPECTION		NA	REBUILD	MISCELLANEOUS	200	200	200	200	200
		STATEWIDE INTERSECTION LIGHTING		NA	MODERNIZE	LIGHTING	150	150	150	150	150
		SCENIC BYWAY PROGRAM		NA	PRESERVE	MISCELLANEOUS	250	250	250	250	250
		ON THE JOB TRAINING FOR PILOT PROGRAM AND PREVOCATIONAL TRAINING		NA	PRESERVE	MISCELLANEOUS	200	200	200	200	200

NA=NOT APPLICABLE

Distribution of Items of Work
2003 Primary Commercial Obligation Program
(x \$1,000)

District	Right of Way Amount	*Bridge/Culvert Replace or Repair No.	Amount	Grading Mi.	Amount	Paving Mi.	Amount	Pavement Widening Mi.	Amount	Resurfacing & Rehabilitation Mi.	Amount	Shouldering Mi.	Amount	Erosion Control Amount	Signing Light Misc. Amount	District Totals
1	797	2	292	0	366	0	0	11.4	3,500	23.5	2,263	0	0	4,614	314	12,146
2	12	1	562	0	0	15.0	17,978	25.1	5,884	5.3	1,800	0	0	1,168	219	27,623
3	7,440	12	5,345	5.3	5,211	0	0	15.4	3,718	3.0	1,000	0	0	2,305	0	25,019
4	9	0	41	0	0	0	0	8	2,850	0	0	0	0	0	15	2,915
5	10,047	41	15,239	61.6	31,949	38.2	29,564	2.5	1,625	26.3	6,166	0	0	940	433	95,963
6	8,546	1	868	0	0	21.6	19,785	12.9	1,865	35.9	2,724	0	0	0	432	34,220
Total	26,851	57	22,347	66.9	37,526	74.8	67,327	75.3	19,442	94.0	13,953	0	0	9,027	1,413	197,886

* This item includes 27 new bridges, 21 new culverts, 2 bridge deck overlays, 7 bridge or culvert repairs.

Distribution of Items of Work
2003 Primary Not on Commercial Obligation Program
(x \$1,000)

District	Right of Way Amount	*Bridge/Culvert Replace or Repair No.	Amount	Grading Mi.	Amount	Paving Mi.	Amount	Pavement Widening Mi.	Amount	Resurfacing & Rehabilitation Mi.	Amount	Shouldering Mi.	Amount	Erosion Control Amount	Signing Light Misc. Amount	District Totals
1	698	2	947	0	0	0	0	18.5	4,470	25.4	5,247	0	0	0	0	11,362
2	110	1	529	0	104	0	0	0	0	5.9	1,462	0	0	0	20	2,225
3	16	4	1,526	0	0	0	0	47.3	11,160	13.0	312	0	0	0	24	13,038
4	516	7	3,391	0	293	0	0	28.7	7,924	8.0	472	0	0	300	15	12,911
5	17	7	1,539	0	0	7.8	4,712	42.1	7,815	36.6	6,192	0	0	852	180	21,307
6	1,358	0	0	0	0	0	0	0	0	34.4	6,919	0	0	242	394	8,913
Total	2,715	21	7,932	0	397	7.8	4,712	136.6	31,369	123.0	20,604	0	0	1,394	633	69,756

* This item includes 9 new bridges, 8 new culverts, 1 bridge deck overlay, 2 bridge or culvert repairs, 1 bridge removal.

Distribution of Items of Work
2003 Interstate Obligation Program
(x \$1,000)

District	Right of Way Amount	*Bridge/Culvert Replace or Repair No.	Amount	Grading Mi.	Amount	Paving Mi.	Amount	Pavement Widening Mi.	Amount	Resurfacing & Rehabilitation Mi.	Amount	Shouldering Mi.	Amount	Erosion Control Amount	Signing Light Misc. Amount	District Totals
1	6,086	18	34,890	6.8	20,633	6.8	27,351	0	0	1.0	1,900	0	0	300	653	91,813
2	0	0	0	0	0	0	0	0	0	0	4,350	0	0	0	0	4,350
3	0	8	4,072	2.0	2,352	2.0	3,118	0	0	7.0	3,157	0	0	0	200	12,899
4	526	4	4,411	0.5	440	0.5	584	0	0	0	0	0	0	100	909	6,970
5	0	0	0	0	0	0	0	0	0	9.0	5,500	0	0	0	300	5,800
6	10	10	6,031	2.0	1,642	2.0	2,176	0	0	0	1,200	0	0	0	772	11,831
Total	6,622	40	49,404	11.3	25,067	11.3	33,229	0	0	17.0	16,107	0	0	400	2,834	133,663

* This item includes 20 new bridges, 1 new culvert, 4 bridge deck overlays, 13 bridge or culvert repairs, 2 bridge remodel.

Obligation Program estimates for additional years are not included because future funding and rehabilitation needs are not known or complete.

Planning Studies

Planning Studies

This section identifies large or complicated projects on which initial planning activities are underway, or for which planning activities will be initiated. Usually several years are needed to develop a complicated or large highway construction project. This time is required to accomplish the necessary location and concept planning studies, environmental studies, archaeological research, preliminary and final design plan development, right-of-way acquisition and actual project construction. The Five-Year Construction Program often does not provide enough time to include all of the development steps required for a large project. Consequently, the Planning Study Section is included in the Five-Year Construction Program.

As projects listed in this section become sufficiently developed to be considered for the Five-Year Construction Program, each will be reviewed by the Commission. The review may conclude that some projects are not priority candidates for further action or construction, and others may be selected for further activity in the Five-Year Construction Program. Inclusion of a project or a corridor in the Planning Study Section does not guarantee it will be constructed.

Planning Studies

Route	Location	Approx Miles	Study Objective
9	Allamakee Mississippi River Bridge at Lansing	–	Need and Location
30	Cedar/Clinton Linn County Line to DeWitt	39.4	Location and Environmental Studies
30	Clinton Mississippi River Bridge at Clinton	–	Need and Location
20	Dubuque Peosta Interchange to Devon Dr.	9.6	Location and Environmental Studies
32	Dubuque U.S. 61/151 to U.S. 20 (Southwest Arterial)	4.6	Need, Location and Environmental Studies (Locally Administered)
I-80/I-380	Johnson I-80/I-380 Interchange to Ia. 1 Interchange	7.3	Location and Environmental Studies
Private	Lee Mississippi River Bridge at Ft. Madison	–	Need and Location (Locally Administered)
100	Linn U.S. 30 to Edgewood Rd.	7.0	Location and Environmental Studies (Locally Administered)

Planning Studies (continued)

Route	Location	Approx Miles	Study Objective
	Mills		
34	Missouri River to I-29 (includes Missouri River Bridge)	3.9	Location and Environmental Studies
	Pottawattamie		
6	Broadway St. Viaduct in Council Bluffs	--	Bridge Study
	Pottawattamie		
I-29/I-80	Area Interstate Study		Location and Environmental Studies
	Pottawattamie		
275	Missouri River Bridge to I-29	5.2	Location and Environmental Studies
	Scott		
I-74	South of 23rd Ave. in Moline, Illinois to North of 53rd St. Interchange in Davenport (includes Mississippi River Bridge)	--	Location and Environmental Studies
	Story/Marshall		
30	Colo to Jct. Ia. 330	15.3	Location and Environmental Studies
	Tama/Benton		
30	ECL Tama to W. Jct. U.S. 218	29.0	Location and Environmental Studies
	Wapello		
63	Wapello St. Viaduct in Ottumwa	--	Bridge Study
	Webster		
926	Karl King Bridge and Adjacent Railroad Bridge in Ft. Dodge	--	Bridge Study
	Woodbury		
12	Gordon Drive Viaduct in Sioux City	--	Bridge Study
	Woodbury		
I-29	Gateway Airport to South Dakota		Sioux City Area Interstate Study
	Woodbury/Ida/Sac		
20	Sioux City to N. Jct. U.S. 71	67.0	Location and Environmental Studies

Highway Program by Selected Corridors

Avenue of the Saints

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

AVENUE OF THE SAINTS											
(56) LEE											
394	2200	MISSOURI STATE LINE TO NORTH OF DONNELLSON - 4-LANE	12.5	49	CONSTRUCT	GRADE AND PAVE	24270	6103			
						RIGHT OF WAY	300				
						WETLAND MITIGATION	697				
						LIGHTING	61				
						TRAFFIC SIGNS	153				
						EROSION CONTROL		949			
218	4660	NORTH OF DONNELLSON TO HENRY COUNTY - 4-LANE	9.6	39	CONSTRUCT	GRADE	5580				
						WETLAND MITIGATION	60				
						BRIDGE NEW	1466				
						CULVERT NEW	491				
						PAVE		15591			
						LIGHTING		76			
						TRAFFIC SIGNS		127			
						TRAFFIC SIGNALS		89			
						EROSION CONTROL			997		
(44) HENRY											
218	5600	NORTH FISH CREEK 2.3 MILES NORTH OF LEE COUNTY		65	PRESERVE	BRIDGE DECK OVERLAY					116
218	5640	LEE COUNTY TO 2.9 MILES SOUTH OF US 34 IN MOUNT PLEASANT - 4-LANE	8.2	29	CONSTRUCT	PAVE		6395			
						LIGHTING		64			
						TRAFFIC SIGNS		95			
						TRAFFIC SIGNALS		76			
						EROSION CONTROL			595		
(52) JOHNSON											
380	28900	I-80 TO US 218 IN WATERLOO		79	PRESERVE	PATCHING	200	200	300	400	800
380	31800	CLEAR CREEK 0.5 MILE NORTH OF I-80 (NB & SB)		69	PRESERVE	BRIDGE REPAIR	59				

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

AVENUE OF THE SAINTS											
(57) LINN											
380	9100	7TH STREET NE OVER I-380 IN CEDAR RAPIDS (SB)		76	PRESERVE	BRIDGE DECK OVERLAY					223
380	80800	IN CEDAR RAPIDS AT 1ST/4TH, UP/IN/CC RR,IA 922/3RD AVE AND CEDAR RIVER (NB)		90	PRESERVE	BRIDGE REPAIR	1200				
(09) BREMER											
218	4580	1 MILE SOUTH OF C-33 TO 1 MILE SOUTH OF IA 188	4.9	27	MODERNIZE	PAVEMENT REHAB/WIDEN	1261				
218	5000	WAVERLY BYPASS AT 200TH STREET TO SOUTH OF PLAINFIELD BYPASS AT 150TH STREET	5.5	14	CONSTRUCT	EROSION CONTROL	345				
218		PLAINFIELD BYPASS FROM 150TH STREET TO 130TH STREET	2.3	NA	CONSTRUCT	EROSION CONTROL	235				
218	5000	NORTH OF PLAINFIELD BYPASS AT 130TH STREET TO CHICKASAW COUNTY - ADD 2 LANE	2.3	14	CONSTRUCT	PAVE TRAFFIC SIGNS EROSION CONTROL	2346 20			183	
(19) CHICKASAW											
218	4560	FROM BREMER COUNTY TO 290TH STREET AT SOUTH END OF NASHUA BYPASS - ADD 2-LANE	2.2	26	CONSTRUCT	PAVE LIGHTING TRAFFIC SIGNS EROSION CONTROL	4328 33 31			160	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

AVENUE OF THE SAINTS											
(19) CHICKASAW											
218		NASHUA BYPASS - NORTH OF 290TH TO NORTH OF 270TH STREET AT FLOYD COUNTY - 4-LANE	1.9	NA	CONSTRUCT	PAVE CULVERT NEW LIGHTING TRAFFIC SIGNS EROSION CONTROL	3276 125 33 27				
(34) FLOYD											
218	4610	NORTH OF 270TH STREET TO TO CHARLES CITY BYPASS - ADD 2-LANE	6.7	22	CONSTRUCT	PAVE BRIDGE NEW TRAFFIC SIGNS EROSION CONTROL	8028 437 55				
(17) CERRO GORDO											
35	14900	NORTH OF SWALEDALE TO SOUTH OF CLEAR LAKE (NB & SB)	7.0	99	PRESERVE	PATCHING PAVEMENT REHAB	100 4200	100	300	100	200

NA=NOT APPLICABLE

Des Moines to Burlington

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
DES MOINES TO BURLINGTON											
(62) MAHASKA											
63		EDDYVILLE BYPASS - 4-LANE	3.2	NA	CONSTRUCT	PAVE		9629			
						WETLAND MITIGATION		200			
						LIGHTING		84			
						TRAFFIC SIGNS		222			
						TRAFFIC SIGNALS		63			
						EROSION CONTROL			349		
(90) WAPELLO											
63		NE OTTUMWA BYPASS FROM IA 149 TO 110TH STREET IN OTTUMWA - 4-LANE	6.8	NA	CONSTRUCT	RIGHT OF WAY	732				
						BRIDGE NEW		1240		10702	
						WETLAND MITIGATION		210			
						CULVERT NEW		3838			
						PAVE			3923	11506	
						GRADE			20290		
						LIGHTING				748	
						TRAFFIC SIGNS				187	
						TRAFFIC SIGNALS				124	
						EROSION CONTROL					521
34	9180	110TH STREET IN OTTUMWA TO OLD AGENCY ROAD - 4-LANE	2.2	87	CONSTRUCT	BRIDGE NEW	455		1198		
						RIGHT OF WAY	641				
						GRADE	4421				
						CULVERT NEW	1880				
						PAVE		2119	3213		
						TRAFFIC SIGNS		75			
						EROSION CONTROL			172		
						LIGHTING			119		

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

DES MOINES TO BURLINGTON											
(90) WAPELLO											
34		AGENCY BYPASS - OLD AGENCY ROAD TO 1 MILE EAST OF IA 16 - 4-LANE	6.3	NA	CONSTRUCT	RIGHT OF WAY	1045	1092			
						GRADE			7511		
						WETLAND MITIGATION			110		
						CULVERT NEW			2217		
						PAVE				8954	
						BRIDGE NEW				1884	
						LIGHTING				125	
						TRAFFIC SIGNS				149	
						TRAFFIC SIGNALS				125	
						EROSION CONTROL					601
34	6960	1 MILE EAST OF IA 16 TO JEFFERSON COUNTY - 4-LANE	2.0	59	CONSTRUCT	RIGHT OF WAY	10				
						GRADE		463			
						PAVE		2150			
						CULVERT NEW		44			
						LIGHTING		114			
						TRAFFIC SIGNS		75			
						TRAFFIC SIGNALS		86			
						EROSION CONTROL			174		
(51) JEFFERSON											
34	5040	WAPELLO COUNTY TO CEDAR AVENUE 1 MILE EAST OF BATAVIA BYPASS - 4-LANE - INCLUDES BYPASS	2.2	46	CONSTRUCT	PAVE		3905			
						LIGHTING		57			
						TRAFFIC SIGNS		86			
						TRAFFIC SIGNALS		70			
						EROSION CONTROL			275		
34	5040	CEDAR AVENUE 1 MILE EAST OF BATAVIA BYPASS TO WEST END OF FAIRFIELD BYPASS - 4-LANE	3.7	43	CONSTRUCT	PAVE		2466			
						LIGHTING		58			
						TRAFFIC SIGNS		114			
						TRAFFIC SIGNALS		69			
						EROSION CONTROL			328		

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	PROJECT ESTIMATED COSTS X \$1000				
						2003	2004	2005	2006	2007	

DES MOINES TO BURLINGTON											
(51) JEFFERSON											
34		FAIRFIELD BYPASS - 4-LANE	10.7	NA	CONSTRUCT	RIGHT OF WAY	726	886			
						WETLAND MITIGATION			390		
						GRADE				17394	
						CULVERT NEW				1081	
						PAVE					
						BRIDGE NEW				23816	
						LIGHTING				11131	
						TRAFFIC SIGNS				434	
						TRAFFIC SIGNALS				288	
										145	
34	3220	EAST END OF FAIRFIELD BYPASS TO HENRY COUNTY - 4-LANE	7.7	81	CONSTRUCT	PAVE	6505		5234		
						RIGHT OF WAY	150				
						GRADE			1957		
						CULVERT NEW			484		
						LIGHTING			124		
						TRAFFIC SIGNS			156		
						TRAFFIC SIGNALS			187		
						EROSION CONTROL				1108	
(44) HENRY											
34	3940	JEFFERSON COUNTY TO WEST OF WESTWOOD & BEGINNING OF MOUNT PLEASANT BYPASS - 4-LANE	4.6	53	CONSTRUCT	PAVE	5442		5234		
						RIGHT OF WAY	102				
						GRADE			1408		
						LIGHTING			124		
						TRAFFIC SIGNS			156		
						TRAFFIC SIGNALS			114		
						EROSION CONTROL				885	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

DES MOINES TO BURLINGTON											
(44) HENRY											
34		MOUNT PLEASANT BYPASS - WEST OF MOUNT PLEASANT TO US 218 - 4-LANE	5.6	NA	CONSTRUCT	RIGHT OF WAY	651				
						WETLAND MITIGATION	183				
						BRIDGE NEW	5200				
						CULVERT NEW	73				
						PAVE		11019			
						LIGHTING		76			
						TRAFFIC SIGNS		126			
						TRAFFIC SIGNALS		89			
						EROSION CONTROL			888		
(29) DES MOINES											
34	8900	JUST EAST OF HENRY COUNTY TO MT PLEASANT AVE IN BURLINGTON - 4-LANE	10.4	48	REBUILD	RIGHT OF WAY	1765				
						GRADE	8657				
						BRIDGE NEW	4183				
						CULVERT NEW	1073				
						PAVE		18746			
						LIGHTING		415			
						TRAFFIC SIGNS		217			
						EROSION CONTROL			779		
34	11700	MISSISSIPPI RIVER BRIDGE IN BURLINGTON - IOWA SHARE	0.4	83	PRESERVE	MISCELLANEOUS	20	20	20	20	20
						BRIDGE REPAIR	105				

Des Moines to Marshalltown

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
DES MOINES TO MARSHALLTOWN											
(77) POLK											
65	7900	NORTHEAST OF COUNTY ROAD S-27 TO JASPER COUNTY	0.5	18	REBUILD	EROSION CONTROL WETLAND MITIGATION	26	220			
(50) JASPER											
65	6700	POLK COUNTY TO COUNTY ROAD F-17	3.9	18	REBUILD	EROSION CONTROL	163				
330	5460	COUNTY ROAD F-17 TO MARSHALL COUNTY	5.5	46	REBUILD	EROSION CONTROL	377				
(64) MARSHALL											
330	6600	JASPER/STORY COUNTY TO US 30	14.8	41	REBUILD	EROSION CONTROL	913				

la. 5

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

IOWA 5											
(63) MARION											
5	5200	4-LANE AT KNOXVILLE TO EAST OF IA 92/IA 181 INTERSECTION	6.4	12	MODERNIZE	PAVEMENT REHAB/WIDEN	1148				
5		EAST OF IA 92/IA 181 INTERSECTION TO NW OF NCL OF PLEASANTVILLE - 4-LANE (PLEASANTVILLE BYPASS)	3.9	NA	REBUILD	PAVE LIGHTING	4712				
						TRAFFIC SIGNS	55				
						EROSION CONTROL	80	274			
5	5100	NORTHWEST OF NCL PLEASANTVILLE TO WARREN COUNTY	3.6	16	REBUILD	EROSION CONTROL	263				
(91) WARREN											
5	4990	MARION COUNTY LINE TO SOUTH RIVER	1.8	57	REBUILD	EROSION CONTROL	145				
5	4990	SOUTH RIVER TO EAST OF COUNTY ROAD S-23	4.4	14	REBUILD	EROSION CONTROL	344				
(77) POLK											
5		FROM RELOCATED IA 28 TO I-35 INTERCHANGE IN WEST DES MOINES	4.2	NA	CONSTRUCT	RIGHT OF WAY	515				
						FENCING	366				
						EROSION CONTROL	191				
						TRAFFIC SIGNS	314				
5		FROM 50TH STREET TO I-35 IN WEST DES MOINES	1.5	NA	CONSTRUCT	EROSION CONTROL	89				

NA=NOT APPLICABLE

US 75 & Ia. 60

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
U.S. 75 AND IOWA 60											
(97) WOODBURY											
75	14700	CCRR & TAFT STREET IN SIOUX CITY		84	PRESERVE	BRIDGE DECK OVERLAY				300	
(75) PLYMOUTH											
75	9800	DRAINAGE DITCH 0.5 MILE NORTH OF HINTON		55	PRESERVE	BRIDGE DECK OVERLAY				69	
60		LE MARS BYPASS - 4-LANE	4.2	NA	CONSTRUCT	RIGHT OF WAY	571	1073			
						BRIDGE NEW		728		9145	
						GRADE AND PAVE		1450			
						WETLAND MITIGATION		50			
						GRADE			7536		
						CULVERT NEW			499		
						PAVE				9596	
						LIGHTING				91	
						TRAFFIC SIGNS				36	
						TRAFFIC SIGNALS				97	
						EROSION CONTROL					1126
60	4070	LE MARS BYPASS TO SIOUX COUNTY - ADD 2-LANE AND SENEY BYPASS	5.5	31	CONSTRUCT	RIGHT OF WAY	904				
						GRADE		3399			
						WETLAND MITIGATION		50			
						BRIDGE NEW		298			
						CULVERT NEW		775			
						PAVE			7103		
						LIGHTING			79		
						TRAFFIC SIGNS			27		
						TRAFFIC SIGNALS			99		
						EROSION CONTROL				504	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007
U.S. 75 AND IOWA 60											
(84) SIOUX											
60	3530	PLYMOUTH COUNTY TO 2 MILES SOUTH OF ALTON - ADD 2-LANE AND CARNES BYPASS	5.4	39	CONSTRUCT	RIGHT OF WAY	546				
						GRADE		3220			
						BRIDGE NEW		298			
						CULVERT NEW		716			
						PAVE			6854		
						TRAFFIC SIGNS			27		
						EROSION CONTROL				497	
60		ALTON BYPASS - 2 MILES SOUTH TO 1 MILE NORTH OF ALTON - 4-LANE	5.3	NA	CONSTRUCT	GRADE	5211				
						WETLAND MITIGATION	21				
						BRIDGE NEW	5072				
						CULVERT NEW	148				
						PAVE		8525			
						LIGHTING		63			
						TRAFFIC SIGNS		76			
						TRAFFIC SIGNALS		86			
						EROSION CONTROL			810		
60	4240	1 MILE NORTH OF ALTON TO SOUTH OF SHELDON - ADD 2-LANE AND HOSPERS BYPASS	12.9	47	CONSTRUCT	RIGHT OF WAY	1092				
						WETLAND MITIGATION	42				
						GRADE		4728			
						BRIDGE NEW		1388			
						CULVERT NEW		2049			
						PAVE			19649		
						LIGHTING			79		
						TRAFFIC SIGNS			99		
						TRAFFIC SIGNALS			119		
						EROSION CONTROL				1243	

NA=NOT APPLICABLE

IOWA TRANSPORTATION HIGHWAY PROGRAM

							PROJECT ESTIMATED COSTS X \$1000				
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

U.S. 75 AND IOWA 60											
(71) O'BRIEN											
60		SHELDON BYPASS - SOUTH OF SHELDON TO 0.9 MILE NORTH OF OSCEOLA COUNTY - 4-LANE	9.8	NA	CONSTRUCT	RIGHT OF WAY	3187				
						WETLAND MITIGATION	52				
						GRADE		14742			
						CULVERT NEW		1845			
						PAVE			7604	10000	
						BRIDGE NEW			6641		
						LIGHTING				69	
						TRAFFIC SIGNS				83	
						EROSION CONTROL					1068
(72) OSCEOLA											
60	3370	0.9 MILE NORTH OF O'BRIEN COUNTY TO 190TH STREET - ADD 2-LANE AND INCLUDES ASHTON BYPASS	8.6	74	CONSTRUCT	RIGHT OF WAY	427				
						GRADE		3075			
						BRIDGE NEW		1037			
						CULVERT NEW		988			
						PAVE			8362		
						LIGHTING			26		
						TRAFFIC SIGNS			40		
						TRAFFIC SIGNALS			53		
						EROSION CONTROL				716	
60	3540	OTTER CREEK IN SIBLEY		52	PRESERVE	BRIDGE DECK OVERLAY					143
60	3230	190TH STREET TO MINNESOTA STATE LINE - ADD 2-LANE AND INCLUDES SIBLEY BYPASS	11.1	63	CONSTRUCT	RIGHT OF WAY	700	1200			
						WETLAND MITIGATION		125			
						GRADE			10920		
						BRIDGE NEW			3604		
						CULVERT NEW			1869		
						PAVE				18354	
						LIGHTING				69	
						TRAFFIC SIGNS				83	
						TRAFFIC SIGNALS				97	
						EROSION CONTROL					1062

NA=NOT APPLICABLE



US 151

IOWA TRANSPORTATION HIGHWAY PROGRAM

PROJECT ESTIMATED COSTS X \$1000											
RTE	ADT	LOCATION	MILES	RATING	WORK CLASS	TYPE OF WORK	2003	2004	2005	2006	2007

(57) LINN			US 151								
151	9800	IA 13 TO IA 1 IN JONES COUNTY	11.4	92	PRESERVE	SUBDRAINS	170				
						PAVEMENT REHAB	1875				
						BRIDGE RAIL RETROFIT	12				
						GUARDRAIL	30				
(53) JONES											
151	7300	ANAMOSA TO MONTICELLO - ADD 2-LANE	11.1	18	REBUILD	PAVE	9192				
						LIGHTING	81				
						EROSION CONTROL		835			
151	5800	MONTICELLO TO CASCADE BYPASS	7.4	18	REBUILD	RIGHT OF WAY	6				
						EROSION CONTROL		477			
(31) DUBUQUE											
151	5010	NE OF CASCADE BYPASS TO US 61 SOUTH OF DUBUQUE - ADD 2-LANE	16.1	29	REBUILD	PAVE	10593				
						TRAFFIC SIGNS	91				
						EROSION CONTROL		917			

