



PRELIMINARY ASSESSMENT OF PUBLIC INFRASTRUCTURE NEEDS:

An Initial Overview of Iowa's "Ready-To-Go" Projects

FEBRUARY 13, 2009

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Preface

The nation is experiencing economic and community challenges not seen in decades. Traditionally, the impact on Iowa comes more slowly, but is sure to affect the government, communities, and families of the state in significant ways. As one approach to planning for and addressing pending economic challenges, an assessment of short-term infrastructure needs was completed in late 2008.

Gratitude is expressed to the hundreds of communities, counties, Councils of Government, schools, community colleges, statewide associations, and to the state agencies who gave of their time to provide information for this assessment. The effort was undertaken on behalf of the Office of the Governor and Lieutenant Governor and managed by the Iowa Department of Economic Development.

Assessment Background and Application of Information

This report provides an aggregated overview of “ready to go” public infrastructure needs as reported by state and local public entities in a preliminary scan undertaken in December 2008. The information can be used by policymakers to understand scope and depth of interest in “ready to go” projects at a general level.

Information in this report can be used by policymakers to assess the types of infrastructure projects that are able to begin within a short amount of time and be completed within a given period of time. The assessment did not seek information about major, long-term projects or plans. It is important to note at the outset that this simple assessment and the individual projects reported to the state by various public entities are not part of any application process for distribution of any funds that may become available through programs that may be developed and approved by federal or state policymakers.

Background

Early in the fall of 2008, Governor Culver and Lt. Governor Judge recognized the convergence of Iowa's traditional and non-traditional infrastructure needs with the downturn in the economy nationally and with the likely need for job creation in Iowa. With an initial focus on state infrastructure, the assessment was later expanded to include local public infrastructure as well. The Administration sought information by which to strategically frame Iowa policy to maintain the state's economic health.

Information was sought from those closest to the need. The assessment invited input from the Board of Regents institutions, community colleges, K-12 schools, local governments, and state agencies. Infrastructure projects of all types were submitted. State agency information was gathered and reviewed in October and November 2008; local public entities responded to a request issued in December, submitting their information by January 16, 2009.

As developments continued at the Congressional level in discussion of a federal stimulus package, those considerations influenced the state and local infrastructure assessment in Iowa. In recognizing the federal focus, the data gathered became more directed toward short turnaround projects and those that created construction and permanent jobs. Even so, details were lacking on the scope and focus of federal economic stimulus legislation. The information gathered through the infrastructure assessment may help shape Iowa's stimulus program. Iowa's assessment information can be an input into the policy process, and may help in strategies that best leverage benefits of federal and state programs for Iowans.

Application of Information

The input reported in this document is preliminary and was gathered for the purpose of developing aggregate information that could be used to guide policy and program development. The design of the process was open to allow responding entities to tell the state what they needed, rather than first establishing categories of projects that were of interest to the state.

Because of this voluntary and open process, the assessment simply reports the data provided by the submitters. Some submissions were incomplete; the information received is included in the aggregation. It is important to note that because of the self-reporting of potential projects, there may be inconsistencies in such areas as what may be considered to be sustainable, have an energy saving component, as well as in other areas. Again, the aggregate information reflects the judgment of the submitters.

Of interest in the assessment data may be such issues as:

- the type of infrastructure investments that are needed for Iowa,
- how to most effectively leverage federal and state programs to maximize return on state investment in infrastructure,
- how to most effectively link and leverage disaster recovery programs and funds, and
- how Iowa can continue on its move toward energy efficiency and sustainable growth.

As of this preliminary report, neither the nation nor Iowa have economic stimulus programs in place. With an assumption that there will be legislation and programs developed in the coming weeks and months, some of the projects included in this assessment may be eligible to apply for funding.

Assessment Process and Methodology

The infrastructure assessment was developed and conducted at the request of the Governor and Lt. Governor in early October. A six-member core team, led by Jim Larew, Policy Counsel, designed and implemented the assessment: Jamie Cashman, Governor's Legislative Liaison; Michael Tramontina, Iowa Department of Economic Development (IDED) Director; Thom Hart, IDED Transportation and Infrastructure Manager; with support provided by Tom Slater, State Public Policy Group, Inc. (SPPG) and Arlinda McKeen, SPPG.

The core team met weekly or more frequently since the beginning of October to direct and review information relative to the assessment, federal policy developments, and state policy developments. The core team worked closely with Jon Murphy, Iowa's State-Federal Liaison based in Washington, DC, in sharing and providing information. This process recognized there were a variety of other efforts to gather similar information. It also recognizes that some projects were in the planning stages for some time.

The core team, in its approach to the initial request to identify state-level infrastructure needs, developed a state agency leadership process to gather both project-specific and aggregate information. The state agency staff engaged in this element of the assessment included:

- Iowa Communications Network – John Gillispie
- Iowa Finance Authority – Bret Mills
- Iowa Homeland Security and Emergency Management Division – Dave Miller
- Iowa Department of Management – Charlie Krogmeier and Dick Oshlo
- Iowa Department of Natural Resources – Rich Leopold
- Iowa Department of Transportation – Nancy Richardson
- Iowa Office of Energy Independence – Roya Stanley
- Iowa Office of the Governor – Jon Murphy
- Iowa Utilities Board – John Norris
- Iowa Workforce Development – Elisabeth Buck
- Rebuild Iowa Office – Emily Hajek

Agencies discussed infrastructure needs focusing in areas of interest identified by the Administration, including:

- Housing
- Transmission – electric, renewable fuels, and broadband communications
- Transportation –trails, bike/pedestrian, and rail
- Water Quality – stormwater, wastewater, drinking water

Subsequently, these state agencies and others were asked to submit to the core team ideas for new infrastructure projects in these priority areas. The group convened twice more to discuss their submissions and for a work session with representatives of the University of Maryland's Governor's Institute on Community Design, focusing on sustainable development and infrastructure.

The preliminary list of more than 45 projects was ultimately pared to about 35 projects based on additional criteria emerging in meetings with the Governor and Lt. Governor and in clarifying the project details. Aggregate information on these projects is contained in this report.

In addition, the core team gathered project lists and costs for ready-to-go projects from a variety of other state sources, including Department of Administrative Services, Iowa Department of Public Health, and the Board of Regents. Participation in the state assessment was voluntary.

As the discussion of federal economic stimulus legislation began to occur at a rapid pace, and as the Governor and Lt. Governor continued to examine Iowa's economic options, an element of local public infrastructure was added to the scope of the assessment. There was keen interest on behalf of cities and counties to be in optimal position to receive federal funds, though there was no program or stimulus package finalized as of February 1, 2009.

To obtain information from local public entities, the following process was implemented:

- The specific questions and information needed was developed by the core team and Jon Murphy.
- A letter of invitation to submit ready-to-go project descriptions was developed and signed by the Governor and Lt. Governor.
- A spreadsheet template was developed to allow consistent information to be provided by local entities and to allow easy aggregation of submitted projects.
- Contacts were made with statewide associations seeking their assistance in disseminating the request to cities, counties, K-12 schools, community colleges, and Councils of Government.
- On December 23, 2008, the letter and project spreadsheet template were disseminated, with a due date of January 16, 2009.
- Iowa Department of Economic Development's Thom Hart received the electronic, fax, and hard copy submissions. The Iowa League of Cities and the Iowa Association of Community College Trustees supported the effort by gathering submissions from their members and compiling them into a single document.
- SPPG staff reviewed the information, removed duplicate submissions, and categorized submissions in one of 34 categories of projects.
- SPPG contacted and asked submitting organizations to review, complete, and update any incomplete information they had submitted.
- Information supplied by the submitters was accepted and not changed, other than spelling and formatting to allow more accurate aggregation.
- SPPG staff aggregated the information and developed the preliminary assessment report under direction of the core team.
- The database of the submitted public sector projects was provided electronically to the Governor's Office as part of this assessment and report.

The statewide associations are commended for their support in this complex effort. The Iowa League of Cities, Iowa State Association of Counties, School Administrators of Iowa, and Iowa

Association of Community College Trustees were monumentally helpful in spreading the word and in assisting in gathering information in response to the Governor and Lt. Governor's letter. The Councils of Government were each contacted individually, and they were also very helpful in spreading the word to their regional members and in assisting in submission of the project information.

Not unexpectedly, word traveled quickly that the state was interested in infrastructure needs. A number of non-public organizations obtained the letter and template and were interested in submitting infrastructure projects to pursue. The assessment includes public infrastructure only, and is focused on how public funds might support infrastructure efforts in the state by leveraging federal and state programs.

The non-public submissions were from organizations such as private health systems and private educational institutions. These data were accepted, submitters notified that they were not currently eligible for inclusion in the assessment, and the information kept separate from the public infrastructure projects.

The detailed information for each entity and submission is available in a comprehensive database which includes contact information. This database is available for reference as federal or state funding becomes available for infrastructure projects. Specific types of projects, entities, or infrastructure needs can be queried for an estimate of the number of and types of submissions from across the state. The database in no way is a reflection of the only ready-to-go infrastructure projects in Iowa, and only includes those projects that were submitted in response to the request from the Governor and Lt. Governor.

Summary of State Input

The input at the state level includes two types of information on potential state infrastructure projects. First is a summary of the types of projects developed through the work of the state agency leadership group. Second is aggregate information submitted by various state agencies and programs that have been gathered for this purpose and/or for other similar requests for federal or state planning purposes.

Projects Suggested by State Agency Leadership

In identifying options for projects to be presented for consideration by the Administration, criteria were developed to assist in determining whether a project was included. Initially, the group was directed to focus in four areas of infrastructure:

- Housing
- Transmission – electric, renewable fuels, and broadband communications
- Transportation –trails, bike/pedestrian, and rail
- Water Quality – stormwater, wastewater, drinking water

The other criteria applied in review of proposals submitted by the agencies included the impact of the proposal on jobs creation. Unfortunately, the expected “jobs surplus” in Iowa is shifting into a jobs shortage as the economic crisis begins to impact Iowans. In addition, proposals were considered in relation to disaster recovery, both in framing the need and priority and in the likelihood that a project might leverage federal disaster assistance. Pre-disaster need was considered as well. For example, Iowa has had a chronic shortage of adequate affordable housing for years, and an infrastructure effort may be undertaken to make progress on that problem. Likewise, Iowa’s transportation infrastructure has fallen behind in repair and maintenance, leaving a significant gap in funds to complete a long list of necessary projects.

Energy efficiency, renewable energy, smart development, and other sustainable approaches to infrastructure were additional criteria in keeping with Iowa’s energy independence goals.

A key criterion for inclusion of a project on the list was the likelihood of it leveraging significant private or federal funds through the expected economic stimulus bill or other federal funds, including economic development and disaster assistance. This set of criteria emerged from the premises set forth in the initial direction and subsequent discussions among the core group.

Twenty state projects were identified with enough detail to be able to be aggregated and be considered ready to go. An additional eighteen projects provide partial information and may not be ready to begin within a short time frame or completed within two years. Those projects included long term projects to build community facilities, housing, park enhancements, passenger rail, retention ponds, sanitary sewers, sidewalks, telecommunications, training, transit, and transmission. The Table of Projects Suggested by State Agency Leadership is outlined below according to the ready-to-go projects and those that are longer term projects.

Table of Projects Suggested by State Agency Leadership

Ready-to-Go Projects			
Category	Total Project Cost	Construction Jobs Created	Ongoing Jobs
Aviation	\$67,300,000	18	Unknown
Industrial	Unknown	Unknown	3,000
Park Enhancements	\$7,468,393	60	37
Paving	\$185,000,000	600	1,500
Rail	\$81,300,000	586	255
Telecommunications	\$2,300,000	185	0
Trails	\$68,500,000	45	0
Transit	\$15,000,000	43	25
Transmission	\$3,224,619	15	0
Water Quality	\$22,500,000	195	260
Total Ready To Go Projects	\$452,593,012	1,747	5,077

Longer Term Projects			
Category	Total Project Cost	Construction Jobs Created	Ongoing Jobs
Bridges	\$40,000,000	210	520
Disaster	\$23,000,000	0	24
Park Enhancements	Unknown	500	200
Passenger Rail	\$32,500,000	170	200
Sanitary Sewers	Unknown	2,150	Unknown
Telecommunications	Unknown	450	Unknown
Transit	\$21,407,000	110	Unknown
Transmission	Unknown	350	Unknown
Total Longer Term Projects	\$116,907,000	3,940	944

Source: State Agencies and Governor's Office

Aggregate State Agency and Program Data

National organizations and associations have undertaken collection of infrastructure needs data to help support federal advocacy efforts around the federal economic stimulus program. As of this writing, a measure has passed the US House of Representatives; Senate action and a conference committee are pending. Information related to Iowa needs has been provided by

various agencies in response to requests at a national level. Some of those data have been provided as part of this assessment. Other information has been gathered and aggregated at the state level specifically for this assessment. The tables below detail the data gathered to date from the specified agencies regarding ready to go infrastructure projects for the state.

Because the source of information and type of projects vary so greatly, it is not possible to compare them with any consistency or reliability of combined data. Yet, having the information according to source and type of project is meaningful in itself to support policy deliberations and planning.

Iowa Ready-to-Go Infrastructure Projects as Reported to the National Governors Association (NGA)

Mode	Obligated / 180days	Federal Programs/ Funds Delivery
Airports	\$21,800,000	FAA discretionary grants to airports
Highways	\$221,200,000	Federal surface transportation programs under 23 USC §133
Transit	\$35,000,000	Transit capital assistance grants; energy assistance grants. (49 USC §§5307, 5311)
Rail	\$65,000,000	Capital and Debt Service Grants (Amtrak); Capital Assistance to States - Intercity Passenger Rail Service and/or CAIPRS; High speed rail
Clean Water	\$168,324,383	State Revolving Loan Fund (SRF)
Drinking Water	\$96,342,650	State Revolving Loan Fund
Flood Control/Water Resources	\$500,000,000	Army Corps of Engineers; Bureau of Land Management
Total Reported to NGA	\$1,107,667,033	

Source: Iowa Department of Transportation, Iowa Department of Natural Resources, Iowa Department of Economic Development, Governor's Office

Iowa Ready-to-Go Infrastructure Projects Identified by Iowa Department of Natural Resources

Projects	Total Project Cost	Amount Requested
Total for Five Projects	\$38,768,393	\$13,420,210

These projects are also listed and accounted for in the total cost in the Table of Projects Suggested by State Agency Leadership.

Iowa Ready-to-Go Great Places Infrastructure Projects

Projects	Project Cost	Construction Jobs	Permanent Jobs
Total for Three Projects	\$20,165,047	32*	13*

*Jobs data not provided for one of the three projects.

Source: Iowa Department of Cultural Affairs

Iowa Ready-to-Go Community Attraction and Tourism (CAT) Infrastructure Projects

Projects	Total Project Cost	Amount Requested
Total for Eight Projects	\$44,449,036	\$10,166,017

Source: Iowa Department of Economic Development

Iowa Department of Administrative Services (DAS) Infrastructure Lists

Name of List	Total Amount
AES FY09 List 1	\$43,786,271
AES FY09 List 2	\$149,478,123
FY09 Major Maintenance Final List	\$143,104,279
FY10 Capital Requests	\$259,863,583
Total	\$596,232,256

Source: Iowa Department of Administrative Services

Iowa Ready-to-Go Small and/or Unsewered Community Projects

Number of Projects	40
Population Served	27,230
Project Cost	\$ 72,239,103

Source: Iowa Department of Natural Resources

Iowa Department of Public Health Infrastructure Request as prepared by the Association of State and Territorial Health Officers (ASTHO)

	National Amount	Iowa Share
Public Health IT Infrastructure		
- State & Local Immunization Registries	\$50,000,000	\$500,000
- Electronic Registration of Vital Statistics	\$50,000,000	\$500,000
- Integrate Health Information Exchanges with Public Health Entities	\$400,000,000	\$4,000,000
- Improve State Laboratories	\$500,000,000	\$5,000,000
Subtotal of Public Health IT Infrastructure		\$10,000,000

Iowa Department of Public Health Infrastructure Request as prepared by the Association of State and Territorial Health Officers (ASTHO)

Public Health Workforce		
- State Lab NHIN & PHIN compatible IMS	\$75,000,000	\$750,000
Total		\$10,750,000

Iowa Share of the Association of State and Territorial Health Officers (ASTHO) Federal Request is estimated at one percent of the Total Request, based on approximate population. Source: Iowa Department of Public Health

Iowa Ready-to-Go Board of Regents Projects

	Total Cost
The University of Iowa	\$407,465,636
Iowa State University	\$343,625,000
University of Northern Iowa	\$105,470,000
Iowa School for the Deaf	\$7,205,000
Iowa Braille & Sight Saving School	\$9,545,459
Total	\$873,311,095

Source: Iowa Board of Regents

Summary of Local Input

The local input process involved outreach to constituency groups, including the Iowa League of Cities, Iowa State Association of Counties, Councils of Government, School Administrators of Iowa, and the Iowa Association of Community College Trustees, as well as local leadership and organizations for input into the infrastructure assessment for Iowa. The suggested projects came pouring in, and resulted in a list of more than 3,500 potential public infrastructure projects for the state.

The process was careful not to prescribe what categories of infrastructure projects were required to be submitted. Submitters were asked to complete a template to ensure that the data gathered could be aggregated and categorized for later reference. Local entities, whether a volunteer City Clerk in a small town, a school principal, or a City Manager, submitted a vast array of infrastructure projects – projects were e-mailed, faxed, mailed, or called in. All public projects that were submitted up to writing of this report were included.

In the contacts and communications with cities and counties, it was consistently noted that projects that were included in the assessment were in no way an application, pre-application, or on a priority list. The primary goal of the extensive outreach was to allow jurisdictions to self identify their most critical “ready to go” needs.

Local entities were asked to submit information about the total cost of projects, which is reflected in the tables below. The total cost reflects all sources of funding, and partners and funding have already been identified for many of the projects submitted. For example, some school infrastructure projects are ready to go using local option sales tax; other entities have received private grants, set aside funding in their budgets, or identified partners to assist with funding. Comprehensive information about costs and funding sources helps in maximizing leveraging capabilities with federal and state dollars.

As a result of reviewing the thousands of project submittals, the Local Infrastructure Project Submissions report was constructed based on categories and types of projects identified. After extensive review of the proposed projects, 34 separate categories were developed. The Local Infrastructure Project Submissions Overview provides a snapshot of the total number of projects, project costs, estimated jobs created, and components of projects that are energy efficient, green, or disaster-related. Following the overview is a category-by-category summary of projects submitted by the different types of entities, including cities, counties, K-12 schools, community colleges, and Councils of Government, and provides additional detail about the project category requests.

Prior to decision-making or prioritizing of infrastructure projects for the state, the Iowa Department of Transportation will conduct an assessment of suggested projects to determine eligibility for current programs and funding.

Overview of Local Infrastructure Project Submissions

Total Number of Projects	3,834
Total Cost of Projects*	\$10,532,297,774
Total Number of Projects with Energy Efficiency or Green Components	1,258
Total Number of Projects that are Disaster Related	410

*Total Cost includes all funding sources submitted and does not reflect total funding needed to complete projects.

Overview of Estimated Infrastructure Jobs Created

Estimated jobs were provided only on a limited number of local infrastructure project submissions. This table includes only those estimates provided by local entities.

Total Number of Construction Jobs Created	2,951
Total Number of Permanent Jobs Created	2,182

Local Infrastructure Project Submissions by Category

Category	Number of Projects Submitted	Total Projects Cost	Construction Jobs Created	Permanent Jobs Created
Airport Projects	49	\$304,820,686	40	24
Bridge Replacement	247	\$232,056,588	179	120
Community Facilities	319	\$1,125,037,202	243	197
Culverts	87	\$21,487,652	69	36
Demolition	17	\$44,814,612	15	10
Downtown Rehabilitation	21	\$98,008,894	19	12
Drinking Water Systems	276	\$903,438,336	227	180
Flood Detention Ponds and Improvements	32	\$129,440,715	25	14
Hazard Mitigation, Disaster Repair	40	\$41,380,252	33	20
Housing	10	\$18,415,000	7	4
Industrial Park	73	\$154,631,357	65	54
Jail and Corrections Projects	14	\$45,025,199	7	9
Not Otherwise Categorized	28	\$18,022,002	23	19

Local Infrastructure Project Submissions by Category

Category	Number of Projects Submitted	Total Projects Cost	Construction Jobs Created	Permanent Jobs Created
Park Enhancements	133	\$270,478,201	109	82
Passenger Rail	4	\$95,100,000	2	2
Public Works Buildings	34	\$50,430,770	27	15
Rail Projects	13	\$100,997,290	13	9
Recycling	3	\$6,065,518	3	1
Road Paving	181	\$324,556,359	133	91
Road Resurfacing	170	\$271,507,083	126	80
Sanitary Sewers	445	\$1,479,205,360	351	276
School Improvements	367	\$776,004,509	220	169
School New Construction	162	\$1,007,377,447	136	120
Sidewalks, Curb Cuts, Streetscapes	61	\$95,740,290	47	36
Storm Sewers	138	\$171,825,422	114	86
Street Paving	315	\$1,181,049,357	265	207
Street Paving With Utilities	26	\$46,464,700	20	12
Street Resurfacing	199	\$422,562,064	166	112
Structural Levees	16	\$26,198,500	14	13
Technology	63	\$63,559,061	41	34
Traffic Controls and Street Lighting	32	\$18,514,300	26	14
Trail Projects	144	\$309,261,048	113	77
Transit Facilities	20	\$219,532,350	9	9
Transmission	95	\$459,289,650	64	38

Local Infrastructure Project Submissions

Airport Projects Overview

Infrastructure Category: Airport Projects

Category Description

Projects contained in the Airport Projects category relate to anything located on airport grounds. Submitted by cities and counties from around the state, these projects may include buildings and paving projects that relate specifically to each airport and associated grounds.

Category Summary

Total Cost:	\$304,820,686.00	Number of Disaster Related Projects:	3
Total Number of Projects:	49	Number of Projects with Green/Energy Efficient Components:	17
Number of New Construction Jobs Created:	40		
Number of Permanent Jobs Created:	24		

Local Infrastructure Project Submissions

Airport Projects Detail

Infrastructure Category: Airport Projects

Organization Type: City	Number of Disaster Related Projects: 3
Total Cost: \$283,820,686.00	Number of Projects with Green/Energy Efficient Components: 17
Total Number of Projects: 48	
Number of New Construction Jobs Created: 39	
Number of Permanent Jobs Created: 23	

Organization Type: County	Number of Disaster Related Projects: 0
Total Cost: \$21,000,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 1	
Number of New Construction Jobs Created: 1	
Number of Permanent Jobs Created: 1	

Local Infrastructure Project Submissions

Bridge Replacement Overview

Infrastructure Category: Bridge Replacement

Category Description

Projects contained in the Bridge Replacement category were submitted by cities and counties throughout the state. The structures have been identified for replacement due to age, damage, efficiency concerns, and hazard mitigation needs.

Category Summary

Total Cost:	\$232,056,588.00	Number of Disaster Related Projects:	18
Total Number of Projects:	247		
Number of New Construction Jobs Created:	179	Number of Projects with Green/Energy Efficient Components:	54
Number of Permanent Jobs Created:	120		

Local Infrastructure Project Submissions

Bridge Replacement Detail

Infrastructure Category:	Bridge Replacement	
Organization Type:	City	Number of Disaster Related Projects: 7
Total Cost:	\$109,168,718.00	Number of Projects with Green/Energy Efficient Components: 8
Total Number of Projects:	50	
Number of New Construction Jobs Created:	31	
Number of Permanent Jobs Created:	23	

Organization Type:	County	Number of Disaster Related Projects: 11
Total Cost:	\$122,887,870.00	Number of Projects with Green/Energy Efficient Components: 46
Total Number of Projects:	197	
Number of New Construction Jobs Created:	148	
Number of Permanent Jobs Created:	97	

Local Infrastructure Project Submissions

Community Facilities Overview

Infrastructure Category: Community Facilities

Category Description

Projects contained in the Community Facilities category include libraries, city halls, fire and police stations, parking ramps, museums, and other structures that provide services to members of a neighborhood within a city or the entire city. Community facility projects were submitted by cities, colleges, K-12 schools, private organizations, and others.

Category Summary

Total Cost:	\$1,125,037,202.25	Number of Disaster Related Projects:	50
Total Number of Projects:	319	Number of Projects with Green/Energy Efficient Components:	158
Number of New Construction Jobs Created:	243		
Number of Permanent Jobs Created:	197		

Local Infrastructure Project Submissions

Community Facilities Detail

Infrastructure Category: Community Facilities	
Organization Type: City	Number of Disaster Related Projects: 38
Total Cost: \$887,431,595.25	Number of Projects with Green/Energy Efficient Components: 128
Total Number of Projects: 248	
Number of New Construction Jobs Created:	204
Number of Permanent Jobs Created:	157
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Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$14,807,145.00	Number of Projects with Green/Energy Efficient Components: 6
Total Number of Projects: 7	
Number of New Construction Jobs Created:	2
Number of Permanent Jobs Created:	5
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Organization Type: County	Number of Disaster Related Projects: 12
Total Cost: \$222,638,462.00	Number of Projects with Green/Energy Efficient Components: 22
Total Number of Projects: 62	
Number of New Construction Jobs Created:	37
Number of Permanent Jobs Created:	35
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Organization Type: Other	Number of Disaster Related Projects: 0
Total Cost:	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 1	
Number of New Construction Jobs Created:	0
Number of Permanent Jobs Created:	0
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Organization Type: School	Number of Disaster Related Projects: 0
Total Cost: \$160,000.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 1	
Number of New Construction Jobs Created:	0
Number of Permanent Jobs Created:	0

Local Infrastructure Project Submissions

Culverts Overview

Infrastructure Category: Culverts

Category Description

Projects contained in the Culverts category are only relating to those that are not part of a larger project. These stand-alone needs were identified and submitted by cities and counties.

Category Summary

Total Cost:	\$21,487,652.00	Number of Disaster Related Projects:	12
Total Number of Projects:	87		
Number of New Construction Jobs Created:	69	Number of Projects with Green/Energy Efficient Components:	6
Number of Permanent Jobs Created:	36		

Local Infrastructure Project Submissions

Culverts Detail

Infrastructure Category:	Culverts	
Organization Type:	City	Number of Disaster Related Projects: 8
Total Cost:	\$10,064,155.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects:	18	
Number of New Construction Jobs Created:	8	
Number of Permanent Jobs Created:	7	
<hr/>		
Organization Type:	County	Number of Disaster Related Projects: 4
Total Cost:	\$11,423,497.00	Number of Projects with Green/Energy Efficient Components: 4
Total Number of Projects:	69	
Number of New Construction Jobs Created:	61	
Number of Permanent Jobs Created:	29	

Local Infrastructure Project Submissions

Demolition Overview

Infrastructure Category: Demolition

Category Description

Projects contained in the Demolition category include the removal of buildings and reclamation of hazardous areas and brownfields. Projects in this category were submitted by cities, counties, and K-12 schools.

Category Summary

Total Cost:	\$44,814,612.00	Number of Disaster Related Projects:	2
Total Number of Projects:	17	Number of Projects with Green/Energy Efficient Components:	10
Number of New Construction Jobs Created:	15		
Number of Permanent Jobs Created:	10		

Local Infrastructure Project Submissions

Demolition Detail

Infrastructure Category:	Demolition	
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Organization Type:	City	Number of Disaster Related Projects:	2
Total Cost:	\$39,345,000.00	Number of Projects with Green/Energy Efficient Components:	8
Total Number of Projects:	13		
Number of New Construction Jobs Created:	11		
Number of Permanent Jobs Created:	7		

Organization Type:	County	Number of Disaster Related Projects:	0
Total Cost:	\$600,000.00	Number of Projects with Green/Energy Efficient Components:	0
Total Number of Projects:	2		
Number of New Construction Jobs Created:	2		
Number of Permanent Jobs Created:	1		

Organization Type:	School	Number of Disaster Related Projects:	0
Total Cost:	\$4,869,612.00	Number of Projects with Green/Energy Efficient Components:	2
Total Number of Projects:	2		
Number of New Construction Jobs Created:	2		
Number of Permanent Jobs Created:	2		

Local Infrastructure Project Submissions

Downtown Rehabilitation Overview

Infrastructure Category: Downtown Rehabilitation

Category Description

Projects contained in the Downtown Rehabilitation category all require comprehensive work in a central part of a city. These broad efforts may include paving, utilities, signals, crosswalks, lighting, and landscaping. All projects detailed in this category were submitted by cities.

Category Summary

Total Cost:	\$98,008,894.00	Number of Disaster Related Projects:	3
Total Number of Projects:	21		
Number of New Construction Jobs Created:	19	Number of Projects with Green/Energy Efficient Components:	8
Number of Permanent Jobs Created:	12		

Local Infrastructure Project Submissions

Downtown Rehabilitation Detail

Infrastructure Category:	Downtown Rehabilitation	
Organization Type:	City	Number of Disaster Related Projects: 3
Total Cost:	\$98,008,894.00	Number of Projects with Green/Energy Efficient Components: 8
Total Number of Projects:	21	
Number of New Construction Jobs Created:	19	
Number of Permanent Jobs Created:	12	

Local Infrastructure Project Submissions

Drinking Water Systems Overview

Infrastructure Category: Drinking Water Systems

Category Description

Projects contained in the Drinking Water Systems category include construction, improvement and repair for water treatment plants and water mains. These were submitted by counties and cities.

Category Summary

Total Cost:	\$903,438,336.45	Number of Disaster Related Projects:	34
Total Number of Projects:	276	Number of Projects with Green/Energy Efficient Components:	64
Number of New Construction Jobs Created:	227		
Number of Permanent Jobs Created:	180		

Local Infrastructure Project Submissions

Drinking Water Systems Detail

Infrastructure Category:	Drinking Water Systems	
Organization Type:	City	Number of Disaster Related Projects: 23
Total Cost:	\$770,324,859.45	Number of Projects with Green/Energy Efficient Components: 63
Total Number of Projects:	251	
Number of New Construction Jobs Created:	204	
Number of Permanent Jobs Created:	178	
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Organization Type:	County	Number of Disaster Related Projects: 11
Total Cost:	\$133,113,477.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects:	25	
Number of New Construction Jobs Created:	23	
Number of Permanent Jobs Created:	2	

Local Infrastructure Project Submissions

Flood Detention Ponds and Improvements Overview

Infrastructure Category: Flood Detention Ponds and Improvements

Category Description

Projects contained in the Flood Detention Ponds and Improvements category represent watershed management projects that are not detailed in larger project descriptions. Projects in this category were submitted by cities, counties, and colleges.

Category Summary

Total Cost:	\$129,440,715.20	Number of Disaster Related Projects:	7
Total Number of Projects:	32	Number of Projects with Green/Energy Efficient Components:	12
Number of New Construction Jobs Created:	25		
Number of Permanent Jobs Created:	14		

Local Infrastructure Project Submissions

Flood Detention Ponds and Improvements Detail

Infrastructure Category:	Flood Detention Ponds and Improvements	
Organization Type:	City	Number of Disaster Related Projects: 7
Total Cost:	\$122,940,715.20	Number of Projects with Green/Energy Efficient Components: 10
Total Number of Projects:	28	
Number of New Construction Jobs Created:	21	
Number of Permanent Jobs Created:	10	
<hr/>		
Organization Type:	College	Number of Disaster Related Projects: 0
Total Cost:	\$200,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects:	1	
Number of New Construction Jobs Created:	1	
Number of Permanent Jobs Created:	1	
<hr/>		
Organization Type:	County	Number of Disaster Related Projects: 0
Total Cost:	\$6,300,000.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects:	3	
Number of New Construction Jobs Created:	3	
Number of Permanent Jobs Created:	3	

Local Infrastructure Project Submissions

Hazard Mitigation, Disaster Repair Overview

Infrastructure Category: Hazard Mitigation, Disaster Repair

Category Description

Projects contained in the Hazard Mitigation, Disaster Repair category refer to projects that repair disaster-related damage and mitigate for future damage. The projects contained in this category were submitted by cities, colleges, K-12 schools, and counties.

Category Summary

Total Cost:	\$41,380,252.00	Number of Disaster Related Projects:	25
Total Number of Projects:	40	Number of Projects with Green/Energy Efficient Components:	7
Number of New Construction Jobs Created:	33		
Number of Permanent Jobs Created:	20		

Local Infrastructure Project Submissions

Hazard Mitigation, Disaster Repair Detail

<i>Infrastructure Category:</i>		Hazard Mitigation, Disaster Repair	
Organization Type:	City	Number of Disaster Related Projects:	16
Total Cost:	\$34,310,500.00	Number of Projects with Green/Energy Efficient Components:	4
Total Number of Projects:	24		
Number of New Construction Jobs Created:	21		
Number of Permanent Jobs Created:	13		
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Organization Type:	College	Number of Disaster Related Projects:	0
Total Cost:	\$80,000.00	Number of Projects with Green/Energy Efficient Components:	0
Total Number of Projects:	1		
Number of New Construction Jobs Created:	1		
Number of Permanent Jobs Created:	1		
<hr/>			
Organization Type:	County	Number of Disaster Related Projects:	8
Total Cost:	\$6,564,752.00	Number of Projects with Green/Energy Efficient Components:	3
Total Number of Projects:	14		
Number of New Construction Jobs Created:	10		
Number of Permanent Jobs Created:	5		
<hr/>			
Organization Type:	School	Number of Disaster Related Projects:	1
Total Cost:	\$425,000.00	Number of Projects with Green/Energy Efficient Components:	0
Total Number of Projects:	1		
Number of New Construction Jobs Created:	1		
Number of Permanent Jobs Created:	1		

Local Infrastructure Project Submissions

Housing Overview

Infrastructure Category: Housing

Category Description

Projects contained in the Housing category include the construction of new subdivisions and rehabilitation of existing homes in low-income areas. Projects were submitted by cities and counties.

Category Summary

Total Cost:	\$18,415,000.00	Number of Disaster Related Projects:	1
Total Number of Projects:	10	Number of Projects with Green/Energy Efficient Components:	4
Number of New Construction Jobs Created:	7		
Number of Permanent Jobs Created:	4		

Local Infrastructure Project Submissions

Housing Detail

Infrastructure Category:	Housing	
Organization Type:	City	Number of Disaster Related Projects: 0
Total Cost:	\$10,615,000.00	Number of Projects with Green/Energy Efficient Components: 3
Total Number of Projects:	7	
Number of New Construction Jobs Created:	5	
Number of Permanent Jobs Created:	3	
<hr/>		
Organization Type:	County	Number of Disaster Related Projects: 1
Total Cost:	\$7,800,000.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects:	3	
Number of New Construction Jobs Created:	2	
Number of Permanent Jobs Created:	1	

Local Infrastructure Project Submissions

Industrial Park Overview

Infrastructure Category: Industrial Park

Category Description

Projects contained in the Industrial Park category include installing utilities, sewers, and paving within an industrial park area. Projects were submitted by cities and counties.

Category Summary

Total Cost:	\$154,631,357.00	Number of Disaster Related Projects:	3
Total Number of Projects:	73		
Number of New Construction Jobs Created:	65	Number of Projects with Green/Energy Efficient Components:	22
Number of Permanent Jobs Created:	54		

Local Infrastructure Project Submissions

Industrial Parks Detail

Infrastructure Category: Industrial Park

Organization Type: City	Number of Disaster Related Projects: 1
Total Cost: \$133,173,587.00	Number of Projects with Green/Energy Efficient Components: 15
Total Number of Projects: 57	
Number of New Construction Jobs Created:	53
Number of Permanent Jobs Created:	44

Organization Type: County	Number of Disaster Related Projects: 2
Total Cost: \$21,457,770.00	Number of Projects with Green/Energy Efficient Components: 7
Total Number of Projects: 16	
Number of New Construction Jobs Created:	12
Number of Permanent Jobs Created:	10

Local Infrastructure Project Submissions

Jail and Corrections Projects Overview

Infrastructure Category: Jail and Corrections Projects

Category Description

Projects contained in the Jail and Corrections Projects category include repair, replacement, and expansion of jail and corrections facilities. All projects in this category were submitted by counties.

Category Summary

Total Cost:	\$45,025,199.00	Number of Disaster Related Projects:	3
Total Number of Projects:	14	Number of Projects with Green/Energy Efficient Components:	3
Number of New Construction Jobs Created:	7		
Number of Permanent Jobs Created:	9		

Local Infrastructure Project Submissions

Jail and Corrections Projects Detail

Infrastructure Category:	Jail and Corrections Projects	
Organization Type:	County	Number of Disaster Related Projects: 3
Total Cost:	\$45,025,199.00	Number of Projects with Green/Energy Efficient Components: 3
Total Number of Projects:	14	
Number of New Construction Jobs Created:	7	
Number of Permanent Jobs Created:	9	

Local Infrastructure Project Submissions

Not Otherwise Categorized Overview

Infrastructure Category: Not Otherwise Categorized

Category Description

Projects contained in the Not Otherwise Categorized category relate to planning, studies, workforce training programs, and public health initiatives.

Category Summary

Total Cost:	\$18,022,002.00	Number of Disaster Related Projects:	6
Total Number of Projects:	28		
Number of New Construction Jobs Created:	23	Number of Projects with Green/Energy Efficient Components:	8
Number of Permanent Jobs Created:	19		

Local Infrastructure Project Submissions

Not Otherwise Categorized Detail

Infrastructure Category:	Not Otherwise Categorized	
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Organization Type:	City	Number of Disaster Related Projects: 1
Total Cost:	\$2,925,000.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects:	5	
Number of New Construction Jobs Created:	4	
Number of Permanent Jobs Created:	1	
<hr/>		
Organization Type:	College	Number of Disaster Related Projects: 2
Total Cost:	\$5,564,226.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects:	10	
Number of New Construction Jobs Created:	7	
Number of Permanent Jobs Created:	6	
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Organization Type:	County	Number of Disaster Related Projects: 3
Total Cost:	\$9,532,776.00	Number of Projects with Green/Energy Efficient Components: 4
Total Number of Projects:	13	
Number of New Construction Jobs Created:	12	
Number of Permanent Jobs Created:	12	

Local Infrastructure Project Submissions

Park Enhancements Overview

Infrastructure Category: Park Enhancements

Category Description

Projects contained in the Park Enhancements category include recreational amenities other than trails such as facilities, shelters and restrooms, fencing, and sidewalks. These projects were submitted by cities and counties.

Category Summary

Total Cost:	\$270,478,201.00	Number of Disaster Related Projects:	19
Total Number of Projects:	133	Number of Projects with Green/Energy Efficient Components:	43
Number of New Construction Jobs Created:	109		
Number of Permanent Jobs Created:	82		

Local Infrastructure Project Submissions

Park Enhancements Detail

Infrastructure Category: Park Enhancements	
Organization Type: City	Number of Disaster Related Projects: 15
Total Cost: \$216,738,413.00	Number of Projects with Green/Energy Efficient Components: 34
Total Number of Projects: 70	
Number of New Construction Jobs Created:	62
Number of Permanent Jobs Created:	46

Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$1,994,300.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 2	
Number of New Construction Jobs Created:	2
Number of Permanent Jobs Created:	2

Organization Type: County	Number of Disaster Related Projects: 4
Total Cost: \$51,745,488.00	Number of Projects with Green/Energy Efficient Components: 9
Total Number of Projects: 61	
Number of New Construction Jobs Created:	45
Number of Permanent Jobs Created:	34

Local Infrastructure Project Submissions

Passenger Rail Overview

Infrastructure Category: Passenger Rail

Category Description

Projects contained in the Passenger Rail category are those rail projects that only include passenger transport. Other rail projects are described in a separate category. These projects were submitted by cities and counties.

Category Summary

Total Cost:	\$95,100,000.00	Number of Disaster Related Projects:	0
Total Number of Projects:	4	Number of Projects with Green/Energy Efficient Components:	3
Number of New Construction Jobs Created:	2		
Number of Permanent Jobs Created:	2		

Local Infrastructure Project Submissions

Passenger Rail Detail

Infrastructure Category: Passenger Rail	
Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$72,100,000.00	Number of Projects with Green/Energy Efficient Components: 3
Total Number of Projects: 3	
Number of New Construction Jobs Created:	2
Number of Permanent Jobs Created:	1

Organization Type: County	Number of Disaster Related Projects: 0
Total Cost: \$23,000,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 1	
Number of New Construction Jobs Created:	0
Number of Permanent Jobs Created:	1

Local Infrastructure Project Submissions

Public Works Buildings Overview

Infrastructure Category: Public Works Buildings

Category Description

Projects contained in the Public Works Buildings category include buildings needed to support public works, such as maintenance sheds, garages, and salt storage buildings. These projects were submitted by cities, counties, and K-12 schools.

Category Summary

Total Cost:	\$50,430,770.00	Number of Disaster Related Projects:	3
Total Number of Projects:	34	Number of Projects with Green/Energy Efficient Components:	10
Number of New Construction Jobs Created:	27		
Number of Permanent Jobs Created:	15		

Local Infrastructure Project Submissions

Public Works Buildings Detail

Infrastructure Category:	Public Works Buildings	
Organization Type:	City	Number of Disaster Related Projects: 1
Total Cost:	\$41,898,000.00	Number of Projects with Green/Energy Efficient Components: 6
Total Number of Projects:	11	
Number of New Construction Jobs Created:	10	
Number of Permanent Jobs Created:	4	
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Organization Type:	County	Number of Disaster Related Projects: 2
Total Cost:	\$8,532,770.00	Number of Projects with Green/Energy Efficient Components: 4
Total Number of Projects:	23	
Number of New Construction Jobs Created:	17	
Number of Permanent Jobs Created:	11	

Local Infrastructure Project Submissions

Rail Projects Overview

Infrastructure Category: Rail Projects

Category Description

Projects contained in the Rail Projects category include spur lines, railports, railroad crossings and bridges, and signals that are used for non-passenger transport. These projects were submitted by cities.

Category Summary

Total Cost:	\$100,997,290.00	Number of Disaster Related Projects:	2
Total Number of Projects:	13		
Number of New Construction Jobs Created:	13	Number of Projects with Green/Energy Efficient Components:	7
Number of Permanent Jobs Created:	9		

Local Infrastructure Project Submissions

Rail Projects Detail

Infrastructure Category: Rail Projects	
Organization Type: City	Number of Disaster Related Projects: 1
Total Cost: \$100,952,290.00	Number of Projects with Green/Energy Efficient Components: 6
Total Number of Projects: 12	
Number of New Construction Jobs Created:	12
Number of Permanent Jobs Created:	9

Organization Type: County	Number of Disaster Related Projects: 1
Total Cost: \$45,000.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 1	
Number of New Construction Jobs Created:	1
Number of Permanent Jobs Created:	0

Local Infrastructure Project Submissions

Recycling Overview

Infrastructure Category: Recycling

Category Description

Projects contained in the Recycling category include facilities and equipment. All recycling projects were submitted by cities.

Category Summary

Total Cost:	\$6,065,518.00	Number of Disaster Related Projects:	0
Total Number of Projects:	3	Number of Projects with Green/Energy Efficient Components:	2
Number of New Construction Jobs Created:	3		
Number of Permanent Jobs Created:	1		

Local Infrastructure Project Submissions

Recycling Detail

Infrastructure Category: Recycling

Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$6,065,518.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects: 3	
Number of New Construction Jobs Created: 3	
Number of Permanent Jobs Created: 1	

Local Infrastructure Project Submissions

Road Paving Overview

Infrastructure Category: Road Paving

Category Description

Projects contained in the Road Paving category include paving projects occurring outside of city limits. The types of paving activities include concrete paving, PCC paving, construction, and reconstruction. Similar projects within city limits and utilizing other forms of road repair are located in other categories. These projects were submitted by cities and counties.

Category Summary

Total Cost:	\$324,556,359.00	Number of Disaster Related Projects:	5
Total Number of Projects:	181	Number of Projects with Green/Energy Efficient Components:	41
Number of New Construction Jobs Created:	133		
Number of Permanent Jobs Created:	91		

Local Infrastructure Project Submissions

Road Paving Detail

Infrastructure Category: Road Paving	
Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$170,527,745.00	Number of Projects with Green/Energy Efficient Components: 12
Total Number of Projects: 21	
Number of New Construction Jobs Created:	19
Number of Permanent Jobs Created:	17

Organization Type: County	Number of Disaster Related Projects: 5
Total Cost: \$154,028,614.00	Number of Projects with Green/Energy Efficient Components: 29
Total Number of Projects: 160	
Number of New Construction Jobs Created:	114
Number of Permanent Jobs Created:	74

Local Infrastructure Project Submissions

Road Resurfacing Overview

Infrastructure Category: Road Resurfacing

Category Description

Projects contained in the Road Resurfacing category include resurfacing projects outside of the city limits that include asphalt, overlay, repair, and resurfacing. Similar projects within city limits and utilizing paving are located in other categories. These projects were submitted by cities and counties.

Category Summary

Total Cost:	\$271,507,083.00	Number of Disaster Related Projects:	9
Total Number of Projects:	170	Number of Projects with Green/Energy Efficient Components:	11
Number of New Construction Jobs Created:	126		
Number of Permanent Jobs Created:	80		

Local Infrastructure Project Submissions

Road Resurfacing Detail

Infrastructure Category: Road Resurfacing	
Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$64,759,387.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects: 9	
Number of New Construction Jobs Created:	6
Number of Permanent Jobs Created:	3

Organization Type: County	Number of Disaster Related Projects: 9
Total Cost: \$206,747,696.00	Number of Projects with Green/Energy Efficient Components: 9
Total Number of Projects: 161	
Number of New Construction Jobs Created:	120
Number of Permanent Jobs Created:	77

Local Infrastructure Project Submissions

Sanitary Sewers Overview

Infrastructure Category: Sanitary Sewers

Category Description

Projects contained in the Sanitary Sewers category include inflow and infiltration that applies to sanitary sewers, wastewater treatment, and combined sewers. This category does not contain projects related to storm sewers. These projects were submitted by cities, counties, and K-12 schools.

Category Summary

Total Cost:	\$1,479,205,359.73	Number of Disaster Related Projects:	66
Total Number of Projects:	445		
Number of New Construction Jobs Created:	351	Number of Projects with Green/Energy Efficient Components:	122
Number of Permanent Jobs Created:	276		

Local Infrastructure Project Submissions

Sanitary Sewers Detail

Infrastructure Category: Sanitary Sewers	
Organization Type: City	Number of Disaster Related Projects: 56
Total Cost: \$1,348,361,090.73	Number of Projects with Green/Energy Efficient Components: 113
Total Number of Projects: 406	
Number of New Construction Jobs Created:	317
Number of Permanent Jobs Created:	255

Organization Type: County	Number of Disaster Related Projects: 10
Total Cost: \$129,592,841.00	Number of Projects with Green/Energy Efficient Components: 9
Total Number of Projects: 36	
Number of New Construction Jobs Created:	33
Number of Permanent Jobs Created:	20

Organization Type: School	Number of Disaster Related Projects: 0
Total Cost: \$1,251,428.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 3	
Number of New Construction Jobs Created:	1
Number of Permanent Jobs Created:	1

Local Infrastructure Project Submissions

School Improvements Overview

Infrastructure Category: School Improvements

Category Description

Projects contained in the School Improvements category include repairs, remodeling, and upgrades to current infrastructure. These projects were submitted by cities, colleges, counties, and K-12 schools.

Category Summary

Total Cost:	\$776,004,509.00	Number of Disaster Related Projects:	7
Total Number of Projects:	367	Number of Projects with Green/Energy Efficient Components:	206
Number of New Construction Jobs Created:	220		
Number of Permanent Jobs Created:	169		

Local Infrastructure Project Submissions

School Improvements Detail

Infrastructure Category: School Improvements	
Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$253,500.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 2	
Number of New Construction Jobs Created:	0
Number of Permanent Jobs Created:	1

Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$363,392,758.00	Number of Projects with Green/Energy Efficient Components: 78
Total Number of Projects: 195	
Number of New Construction Jobs Created:	87
Number of Permanent Jobs Created:	81

Organization Type: County	Number of Disaster Related Projects: 0
Total Cost: \$2,200,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 2	
Number of New Construction Jobs Created:	2
Number of Permanent Jobs Created:	2

Organization Type: School	Number of Disaster Related Projects: 7
Total Cost: \$410,158,251.00	Number of Projects with Green/Energy Efficient Components: 127
Total Number of Projects: 168	
Number of New Construction Jobs Created:	131
Number of Permanent Jobs Created:	85

Local Infrastructure Project Submissions

School New Construction Overview

Infrastructure Category: School New Construction

Category Description

Projects contained in the School New Construction category include new buildings and new additions to schools buildings, not rehabilitation or remodeling of existing structures. These projects were submitted by cities, colleges, counties, and private organizations.

Category Summary

Total Cost:	\$1,007,377,446.62	Number of Disaster Related Projects:	9
Total Number of Projects:	162	Number of Projects with Green/Energy Efficient Components:	92
Number of New Construction Jobs Created:	136		
Number of Permanent Jobs Created:	120		

Local Infrastructure Project Submissions

School New Construction Detail

Infrastructure Category: School New Construction

Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$23,600,000.00	Number of Projects with Green/Energy Efficient Components: 3
Total Number of Projects: 3	
Number of New Construction Jobs Created: 3	
Number of Permanent Jobs Created: 3	

Organization Type: College	Number of Disaster Related Projects: 5
Total Cost: \$295,655,195.00	Number of Projects with Green/Energy Efficient Components: 16
Total Number of Projects: 72	
Number of New Construction Jobs Created: 68	
Number of Permanent Jobs Created: 55	

Organization Type: County	Number of Disaster Related Projects: 0
Total Cost: \$8,000,000.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 1	
Number of New Construction Jobs Created: 1	
Number of Permanent Jobs Created: 1	

Organization Type: School	Number of Disaster Related Projects: 4
Total Cost: \$680,122,251.62	Number of Projects with Green/Energy Efficient Components: 72
Total Number of Projects: 86	
Number of New Construction Jobs Created: 64	
Number of Permanent Jobs Created: 61	

Local Infrastructure Project Submissions

Sidewalks, Curb Cuts, and Streetscapes Overview

Infrastructure Category: Sidewalks, Curb Cuts, and Streetscapes

Category Description

Projects contained in the Sidewalks, Curb Cuts, and Streetscapes category include the addition or repair of sidewalks, addition of curb cuts, and other landscaping and “beautification” types of projects. These projects were submitted by cities, counties, and K-12 schools.

Category Summary

Total Cost:	\$95,740,290.00	Number of Disaster Related Projects:	2
Total Number of Projects:	61	Number of Projects with Green/Energy Efficient Components:	8
Number of New Construction Jobs Created:	47		
Number of Permanent Jobs Created:	36		

Local Infrastructure Project Submissions

Sidewalks, Curb Cuts, Streetscapes Detail

Infrastructure Category:	Sidewalks, Curb Cuts, Streetscapes	
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Organization Type:	City	Number of Disaster Related Projects: 0
Total Cost:	\$32,785,290.00	Number of Projects with Green/Energy Efficient Components: 7
Total Number of Projects:	51	
Number of New Construction Jobs Created:	42	
Number of Permanent Jobs Created:	32	
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Organization Type:	County	Number of Disaster Related Projects: 1
Total Cost:	\$62,625,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects:	8	
Number of New Construction Jobs Created:	3	
Number of Permanent Jobs Created:	3	
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Organization Type:	School	Number of Disaster Related Projects: 1
Total Cost:	\$330,000.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects:	2	
Number of New Construction Jobs Created:	2	
Number of Permanent Jobs Created:	1	

Local Infrastructure Project Submissions

Storm Sewers Overview

Infrastructure Category: Storm Sewers

Category Description

Projects contained in the Storm Sewers category include all projects related to storm sewers, separate from sanitary sewer projects. This may include storm water and storm runoff systems. These projects were submitted by cities and counties.

Category Summary

Total Cost:	\$171,825,422.04	Number of Disaster Related Projects:	34
Total Number of Projects:	138		
Number of New Construction Jobs Created:	114	Number of Projects with Green/Energy Efficient Components:	25
Number of Permanent Jobs Created:	86		

Local Infrastructure Project Submissions

Storm Sewers Detail

Infrastructure Category: Storm Sewers

Organization Type: City	Number of Disaster Related Projects: 30
Total Cost: \$163,509,727.04	Number of Projects with Green/Energy Efficient Components: 24
Total Number of Projects: 131	
Number of New Construction Jobs Created:	107
Number of Permanent Jobs Created:	84

Organization Type: County	Number of Disaster Related Projects: 4
Total Cost: \$8,315,695.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 7	
Number of New Construction Jobs Created:	7
Number of Permanent Jobs Created:	2

Local Infrastructure Project Submissions

Street Paving Overview

Infrastructure Category: Street Paving

Category Description

Projects contained in the Street Paving category concentrate on those within city limits, and may include concrete paving, PCC paving, construction, and reconstruction. Those paving projects outside of city limits or utilizing other forms of road repair are located in other categories. These projects were submitted by cities, college, and counties.

Category Summary

Total Cost:	\$1,181,049,357.40	Number of Disaster Related Projects:	22
Total Number of Projects:	315		
Number of New Construction Jobs Created:	265	Number of Projects with Green/Energy Efficient Components:	105
Number of Permanent Jobs Created:	207		

Local Infrastructure Project Submissions

Street Paving Detail

Infrastructure Category: Street Paving

Organization Type: City	Number of Disaster Related Projects: 21
Total Cost: \$1,146,388,707.40	Number of Projects with Green/Energy Efficient Components: 100
Total Number of Projects: 292	
Number of New Construction Jobs Created: 247	
Number of Permanent Jobs Created: 196	

Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$5,300,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 3	
Number of New Construction Jobs Created: 3	
Number of Permanent Jobs Created: 3	

Organization Type: County	Number of Disaster Related Projects: 1
Total Cost: \$27,013,650.00	Number of Projects with Green/Energy Efficient Components: 3
Total Number of Projects: 14	
Number of New Construction Jobs Created: 10	
Number of Permanent Jobs Created: 3	

Organization Type: School	Number of Disaster Related Projects: 0
Total Cost: \$2,347,000.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects: 6	
Number of New Construction Jobs Created: 5	
Number of Permanent Jobs Created: 5	

Local Infrastructure Project Submissions

Street Paving with Utilities Overview

Infrastructure Category: Street Paving with Utilities

Category Description

Projects contained in the Street Paving with Utilities category include comprehensive paving projects that include utilities, sewer, water, and paving all in one project. These projects were submitted by cities and K-12 schools.

Category Summary

Total Cost:	\$46,464,700.00	Number of Disaster Related Projects:	0
Total Number of Projects:	26	Number of Projects with Green/Energy Efficient Components:	3
Number of New Construction Jobs Created:	20		
Number of Permanent Jobs Created:	12		

Local Infrastructure Project Submissions

Street Paving with Utilities Detail

Infrastructure Category: Street Paving with Utilities

Organization Type: City	Number of Disaster Related Projects: 0
Total Cost: \$45,264,700.00	Number of Projects with Green/Energy Efficient Components: 3
Total Number of Projects: 25	
Number of New Construction Jobs Created:	20
Number of Permanent Jobs Created:	11

Organization Type: School	Number of Disaster Related Projects: 0
Total Cost: \$1,200,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 1	
Number of New Construction Jobs Created:	0
Number of Permanent Jobs Created:	1

Local Infrastructure Project Submissions

Street Resurfacing Overview

Infrastructure Category: Street Resurfacing

Category Description

Projects contained in the Street Resurfacing category include projects within city limits that utilize asphalt and provide overlay, repair, and resurfacing. Those resurfacing projects located outside of city limits or those that are for paving are located in other categories. These projects were submitted by cities, colleges, counties, and K-12 schools.

Category Summary

Total Cost:	\$422,562,064.00	Number of Disaster Related Projects:	14
Total Number of Projects:	199	Number of Projects with Green/Energy Efficient Components:	45
Number of New Construction Jobs Created:	166		
Number of Permanent Jobs Created:	112		

Local Infrastructure Project Submissions

Street Resurfacing Detail

Infrastructure Category: Street Resurfacing	
Organization Type: City	Number of Disaster Related Projects: 11
Total Cost: \$380,019,111.00	Number of Projects with Green/Energy Efficient Components: 37
Total Number of Projects: 158	
Number of New Construction Jobs Created:	132
Number of Permanent Jobs Created:	93

Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$8,192,367.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 7	
Number of New Construction Jobs Created:	7
Number of Permanent Jobs Created:	4

Organization Type: County	Number of Disaster Related Projects: 3
Total Cost: \$34,016,150.00	Number of Projects with Green/Energy Efficient Components: 8
Total Number of Projects: 33	
Number of New Construction Jobs Created:	26
Number of Permanent Jobs Created:	15

Organization Type: School	Number of Disaster Related Projects: 0
Total Cost: \$334,436.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 1	
Number of New Construction Jobs Created:	1
Number of Permanent Jobs Created:	0

Local Infrastructure Project Submissions

Structural Levees Overview

Infrastructure Category: Structural Levees

Category Description

Projects contained in the Structural Levees category include berms, levee, and flood wall projects submitted by cities and counties.

Category Summary

Total Cost:	\$26,198,500.00	Number of Disaster Related Projects:	9
Total Number of Projects:	16	Number of Projects with Green/Energy Efficient Components:	5
Number of New Construction Jobs Created:	14		
Number of Permanent Jobs Created:	13		

Local Infrastructure Project Submissions

Structural Levees Detail

Infrastructure Category: Structural Levees

Organization Type: City	Number of Disaster Related Projects: 8
Total Cost: \$25,818,500.00	Number of Projects with Green/Energy Efficient Components: 4
Total Number of Projects: 14	
Number of New Construction Jobs Created:	12
Number of Permanent Jobs Created:	12

Organization Type: County	Number of Disaster Related Projects: 1
Total Cost: \$380,000.00	Number of Projects with Green/Energy Efficient Components: 1
Total Number of Projects: 2	
Number of New Construction Jobs Created:	2
Number of Permanent Jobs Created:	1

Local Infrastructure Project Submissions

Technology Overview

Infrastructure Category: Technology

Category Description

Projects contained in the Technology category relate to computers, wiring, telecommunications, alarms, and security. These projects have been identified by cities, counties, colleges, and private and public schools in Iowa to replace damaged or outdated systems.

Category Summary

Total Cost:	\$63,559,061.00	Number of Disaster Related Projects:	17
Total Number of Projects:	63		
Number of New Construction Jobs Created:	41	Number of Projects with Green/Energy Efficient Components:	16
Number of Permanent Jobs Created:	34		

Local Infrastructure Project Submissions

Technology Detail

Infrastructure Category: Technology	
Organization Type: City	Number of Disaster Related Projects: 1
Total Cost: \$15,230,200.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 10	
Number of New Construction Jobs Created:	7
Number of Permanent Jobs Created:	7

Organization Type: College	Number of Disaster Related Projects: 2
Total Cost: \$28,655,500.00	Number of Projects with Green/Energy Efficient Components: 2
Total Number of Projects: 20	
Number of New Construction Jobs Created:	19
Number of Permanent Jobs Created:	17

Organization Type: County	Number of Disaster Related Projects: 14
Total Cost: \$13,609,861.00	Number of Projects with Green/Energy Efficient Components: 6
Total Number of Projects: 20	
Number of New Construction Jobs Created:	5
Number of Permanent Jobs Created:	3

Organization Type: School	Number of Disaster Related Projects: 0
Total Cost: \$6,063,500.00	Number of Projects with Green/Energy Efficient Components: 8
Total Number of Projects: 13	
Number of New Construction Jobs Created:	10
Number of Permanent Jobs Created:	7

Local Infrastructure Project Submissions

Traffic Controls and Street Lighting Overview

Infrastructure Category: Traffic Controls and Street Lighting

Category Description

Projects contained in the Traffic Controls and Street Lighting category include the repair and/or replacement of traffic controls. These projects were submitted by cities, counties, and colleges in Iowa.

Category Summary

Total Cost:	\$18,514,300.00	Number of Disaster Related Projects:	2
Total Number of Projects:	32	Number of Projects with Green/Energy Efficient Components:	14
Number of New Construction Jobs Created:	26		
Number of Permanent Jobs Created:	14		

Local Infrastructure Project Submissions

Traffic Controls and Street Lighting Detail

Infrastructure Category:	Traffic Controls and Street Lighting	
Organization Type:	City	Number of Disaster Related Projects: 1
Total Cost:	\$18,066,300.00	Number of Projects with Green/Energy Efficient Components: 14
Total Number of Projects:	28	
Number of New Construction Jobs Created:	23	
Number of Permanent Jobs Created:	13	
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Organization Type:	College	Number of Disaster Related Projects: 0
Total Cost:	\$200,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects:	1	
Number of New Construction Jobs Created:	1	
Number of Permanent Jobs Created:	1	
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Organization Type:	County	Number of Disaster Related Projects: 1
Total Cost:	\$248,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects:	3	
Number of New Construction Jobs Created:	2	
Number of Permanent Jobs Created:	0	

Local Infrastructure Project Submissions

Trail Projects Overview

Infrastructure Category: Trail Projects

Category Description

Projects contained in the Trail Projects category include city, county, and college initiatives. These projects include pedestrian bridges and public trail systems.

Category Summary

Total Cost:	\$309,261,048.01	Number of Disaster Related Projects:	7
Total Number of Projects:	144	Number of Projects with Green/Energy Efficient Components:	46
Number of New Construction Jobs Created:	113		
Number of Permanent Jobs Created:	77		

Local Infrastructure Project Submissions

Trail Projects Detail

Infrastructure Category: Trail Projects	
Organization Type: City	Number of Disaster Related Projects: 7
Total Cost: \$222,997,051.07	Number of Projects with Green/Energy Efficient Components: 42
Total Number of Projects: 94	
Number of New Construction Jobs Created:	76
Number of Permanent Jobs Created:	46

Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$30,000.00	Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 1	
Number of New Construction Jobs Created:	1
Number of Permanent Jobs Created:	1

Organization Type: County	Number of Disaster Related Projects: 0
Total Cost: \$86,233,996.94	Number of Projects with Green/Energy Efficient Components: 4
Total Number of Projects: 49	
Number of New Construction Jobs Created:	36
Number of Permanent Jobs Created:	30

Local Infrastructure Project Submissions

Transit Facilities Overview

Infrastructure Category: Transit Facilities

Category Description

Projects contained in the Transit Facilities category include busses, transit hubs, and maintenance centers. Cities identified and submitted these transit projects.

Category Summary

Total Cost:	\$219,532,350.00	Number of Disaster Related Projects:	0
Total Number of Projects:	20	Number of Projects with Green/Energy Efficient Components:	11
Number of New Construction Jobs Created:	9		
Number of Permanent Jobs Created:	9		

Local Infrastructure Project Submissions

Transit Facilities Detail

Infrastructure Category: Transit Facilities		
Organization Type: City		Number of Disaster Related Projects: 0
Total Cost: \$200,782,350.00		Number of Projects with Green/Energy Efficient Components: 11
Total Number of Projects: 19		
Number of New Construction Jobs Created:	9	
Number of Permanent Jobs Created:	9	

Organization Type: County		Number of Disaster Related Projects: 0
Total Cost: \$18,750,000.00		Number of Projects with Green/Energy Efficient Components: 0
Total Number of Projects: 1		
Number of New Construction Jobs Created:	0	
Number of Permanent Jobs Created:	0	

Local Infrastructure Project Submissions

Transmission Overview

Infrastructure Category: Transmission

Category Description

Projects contained in the Transmission category include electricity, wind, other energy transmission and wind turbine projects. These energy transmission jobs were submitted by cities, counties, colleges, and K-12 schools in Iowa.

Category Summary

Total Cost:	\$459,289,650.00	Number of Disaster Related Projects:	16
Total Number of Projects:	95	Number of Projects with Green/Energy Efficient Components:	70
Number of New Construction Jobs Created:	64		
Number of Permanent Jobs Created:	38		

Local Infrastructure Project Submissions

Transmission Detail

Infrastructure Category: Transmission	
Organization Type: City	Number of Disaster Related Projects: 6
Total Cost: \$110,167,520.00	Number of Projects with Green/Energy Efficient Components: 19
Total Number of Projects: 33	
Number of New Construction Jobs Created:	26
Number of Permanent Jobs Created:	13

Organization Type: College	Number of Disaster Related Projects: 0
Total Cost: \$61,911,000.00	Number of Projects with Green/Energy Efficient Components: 9
Total Number of Projects: 13	
Number of New Construction Jobs Created:	13
Number of Permanent Jobs Created:	9

Organization Type: County	Number of Disaster Related Projects: 9
Total Cost: \$269,197,370.00	Number of Projects with Green/Energy Efficient Components: 34
Total Number of Projects: 41	
Number of New Construction Jobs Created:	20
Number of Permanent Jobs Created:	14

Organization Type: School	Number of Disaster Related Projects: 1
Total Cost: \$18,013,760.00	Number of Projects with Green/Energy Efficient Components: 8
Total Number of Projects: 8	
Number of New Construction Jobs Created:	5
Number of Permanent Jobs Created:	2