

**DEPARTMENT OF TRANSPORTATION  
COMMISSION ORDER**

Division/Bureau/Office Planning, Programming and Modal Division  
Office of Systems Planning Order No. \_\_\_\_\_  
 Submitted by Deb Arp Phone No. 515-239-1681 Meeting Date January 12, 2016  
 Title Iowa's Clean Air Attainment Program Funding Recommendations

**DISCUSSION/BACKGROUND:**

Review of the current round of applications for funding from Iowa's Clean Air Attainment Program has been completed. The following funding recommendations will be presented.

#2 Green, #6 Brown, #3 Blue Service Expansion (Ames Transit Agency)	\$ 162,578
#9 Plum Weekday Route Expansion and Bus Expansion (Ames Transit Agency)	\$ 585,542
Adaptive Traffic Signal Control System – East Area Traffic Network (West Des Moines)	\$ 400,000
Ames Traffic Network Master Plan (Ames)	\$ 80,000
Bridgeport Transit Study (Sioux City)	\$ 20,000
Downtown Traffic Signal Retiming (Waterloo)	\$ 160,000
Express Routes #92, #93, #98 Service Improvements (Des Moines Regional Transit Authority)	\$ 182,859
Northwest Arterial and JFK Road Intersection Improvements (Dubuque)	\$ 198,202
Northwest Arterial and Pennsylvania Avenue Intersection Improvements (Dubuque)	\$ 332,000
RideConnect Vanpool (East Central Iowa Council of Governments)	\$ 142,240
SE Oralabor Road & SE Delaware Avenue Roadway and Traffic Signal Improvements (Ankeny and Iowa DOT District 1)	\$1,590,000
Traffic Signal System Timings Update – Phase 1 (Des Moines)	\$ 140,000
 Total	 \$3,993,421

**PROPOSAL/ACTION RECOMMENDATION:**

It is recommended the Commission approve Iowa's Clean Air Attainment Program funding recommendations as listed.

<b>COMMISSION ACTION:</b>			Vote
			Aye      Nay      Pass
Moved by _____	Seconded by _____	Boswell	_____
		Huber	_____
		Miles	_____
		Putney	_____
		Reasner	_____
		Rose	_____
		Yanney	_____
_____ Division Director	_____ Legal	_____ State Director	

# **IOWA'S CLEAN AIR ATTAINMENT PROGRAM (ICAAP)**

## **Application Summary and Funding Proposal**

**OCTOBER 2015 FUNDING CYCLE**

## **October 2015 Funding Summary**

### **Available Funding**

Iowa's Clean Air Attainment Program funds available: \$4,000,000

### **Application Summary**

**Total number of projects: 20**

**Total project costs: \$ 34,996,942**

**Total amount requested: \$8,039,562**

### **Recommendation Summary**

Total amount awarded: \$ 3,993,421

## Funding Proposal

Staff recommends the following projects be approved for ICAAP funding:

No.	Project Name	<u>Grant</u>	<u>Cumulative</u>
1.	<b>#2 Green/#6 Brown/#3 Blue Service Expansion (Ames Transit Agency)</b>	\$ 162,578	\$ 162,578
2.	<b>#9 Plum Weekday Route Expansion &amp; Bus Expansion (Ames Transit Agency)</b>	\$ 585,542	\$ 748,120
3.	<b>Adaptive Traffic Signal Control System – East Area Traffic Network (West Des Moines)</b>	\$ 400,000	\$1,148,120
4.	<b>Ames Traffic Network Master Plan (Ames)</b>	\$ 80,000	\$1,228,120
5.	<b>Bridgeport Transit Study (Sioux City)</b>	\$ 20,000	\$1,248,120
6.	<b>Downtown Traffic Signal Retiming (Waterloo)</b>	\$ 160,000	\$1,408,120
7.	<b>Express Routes #92/#93/#98 Service Improvements (Des Moines Regional Transit Authority)</b>	\$ 182,859	\$1,590,979
8.	<b>Northwest Arterial and JFK Road Intersection Improvements (Dubuque)</b>	\$ 198,202	\$1,789,181
9.	<b>Northwest Arterial and Pennsylvania Avenue Intersection Improvements (Dubuque)</b>	\$ 332,000	\$2,121,181
10.	<b>RideConnect Vanpool (East Central Iowa Council of Governments)</b>	\$ 142,240	\$2,263,421
11.	<b>SE Oralabor Road &amp; SE Delaware Avenue Roadway and Traffic Signal Improvements (Ankeny and Iowa DOT District 1)</b>	\$1,590,000	\$3,853,421
12.	<b>Traffic Signal System Timings Update – Phase 1 (Des Moines)</b>	\$ 140,000	\$3,993,421
13.	18 <sup>th</sup> Street (Hoeven Valley) Viaduct (Sioux City)		
14.	Bicycle and Pedestrian Transportation Promotion (Bi-State Regional Commission and Bettendorf)		
15.	Collins Road NE (Iowa Highway 100) Improvements: 51 <sup>st</sup> Street Realignment at Council Street NE (Cedar Rapids)		
16.	Collins Road NE (Iowa Highway 100) Improvements: C Ave NE and Old Marion Road NE Intersection Improvements (Cedar Rapids)		
17.	Des Moines BCycle Expansion Plan (Des Moines Bicycle Collective and Des Moines Area Metropolitan Planning Organization)		
18.	Grand Prairie Parkway Corridor Phase 4 (Waukee)		
19.	Kirkwood Boulevard SW Single-Lane Roundabout at south College Community School District Access Drive (Cedar Rapids)		
20.	Progress Park Service (Muscatine Transit)		

**1. Project Name: #2 Green/#6 Brown/#3 Blue Service Expansion**

**Sponsor:** Ames Transit Agency  
**Contact:** Sheri Kyras, Transit Director  
1700 University Blvd.  
Ames, IA 50010

**Description:** CyRide proposes to expand its service frequency on the #2 Green/#6 Brown weekday routes and the #3 Blue (campus to S. Duff) Sunday routes providing additional capacity on these core CyRide routes for year 3 of this expansion.

**Total Cost:** \$203,223  
**Requested Amount:** \$162,578 (80%)

**2. Project Name: #9 Plum Weekday Route Expansion & Bus Expansion**

**Sponsor:** Ames Transit Agency  
**Contact:** Sheri Kyras, Transit Director  
1700 University Blvd.  
Ames, IA 50010

**Description:** CyRide proposes to expand its service along S. 16th by adding a new bus route, #9 Plum. This route will provide 20 minute service between S. 16th and the Iowa State University campus with two buses. This project also requests an expansion 40-foot heavy duty bus to operate this service.

**Total Cost:** \$203,223  
**Requested Amount:** \$162,578 (80%)

**3. Project Name: Adaptive Traffic Signal Control System – East Area Traffic Network**

**Sponsor:** City of West Des Moines  
**Contact:** Jim Dickinson, P.E., Principal Engineer-Traffic  
560 South 16th Street  
West Des Moines, IA 50265

**Description:** Purchase of equipment for adaptive traffic signal control systems at 12 intersections along the 1st Street, 8th Street, Grand Avenue and Railroad Avenue corridors in the eastern portion of West Des Moines.

**Total Cost:** \$500,000  
**Requested Amount:** \$400,000 (80%)

**4. Project Name: Ames Traffic Network Master Plan**

**Sponsor:** City of Ames  
**Contact:** Damion Pregitzer, Traffic Engineer  
515 Clark Avenue  
Ames, IA 50010

**Description:** Develop an Ames Traffic Network Master Plan to provide communication, coordination, and management of the traffic signal systems along major signalized corridors within the city of Ames. This will begin the program for the city to improve their ability to monitor, manage, and change traffic signal timings in real time to provide optimum operations and to promote efficient traffic flows of the major corridors within the city of Ames.

**Total Cost:** \$100,000  
**Requested Amount:** \$ 80,000 (80%)

**5. Project Name: Bridgeport Transit Study**

**Sponsor:** City of Sioux City  
**Contact:** Marty Dougherty, Economic Development Director  
405 6th Street  
Sioux City, IA 51102

**Description:** This project is a study to determine the feasibility of a park and ride, transit, or shuttle program for Sioux City's Bridgeport industrial area. The Bridgeport area is developing faster than the existing transportation infrastructure can accommodate, causing traffic problems. The study will show if a park and ride, transit route, or shuttle will be the best way to reduce vehicle emissions in the area.

**Total Cost:** \$25,000  
**Requested Amount:** \$20,000 (80%)

**6. Project Name: Downtown Traffic Signal Retiming**

**Sponsor:** City of Waterloo  
**Contact:** Mohammad Elahi, Traffic Engineer  
625 Glenwood Street  
Waterloo, IA 50703

**Description:** Retiming traffic signals in downtown Waterloo.

**Total Cost:** \$200,000  
**Requested Amount:** \$160,000 (80%)

7. **Project Name:** **Express Routes #92/#93/#98 Service Improvements**
- Sponsor:** Des Moines Regional Transit Authority  
**Contact:** Debra Meyer, Financial Analyst  
620 Cherry Street  
Des Moines, IA 50309
- Description:** DART is requesting third year funding for service improvements implemented on three of our most heavily used express routes.
- Total Cost:** \$228,574  
**Requested Amount:** \$182,859 (80%)
8. **Project Name:** **Northwest Arterial and JFK Road Intersection Improvements**
- Sponsor:** City of Dubuque  
**Contact:** David Ness, Traffic Engineer  
City Engineering  
50 West 13th Street  
Dubuque, IA 52002
- Co-Sponsor:** Iowa DOT District 6  
Sam Shea  
5455 Kirkwood Blvd. S.W.  
Cedar Rapids, IA 52404
- Description:** The proposed improvements at Northwest Arterial and JFK Road consist of adding a right-turn only lane on the north leg of JFK Road with traffic signal adjustments. Adding a dedicated right-turn lane would allow free right-turn movements during the red phase, and would allow overlapping turn movements to occur during eastbound left-turn movements. This improvement in efficiency would result in minimized queue lengths. These lane improvements would also allow sustained coordination of the Northwest Arterial, which would minimize idling.
- Total Cost:** \$247,752  
**Requested Amount:** \$198,202 (80%)

**9. Project Name: Northwest Arterial and Pennsylvania Avenue Intersection Improvements**

**Sponsor:** City of Dubuque  
**Contact:** David Ness, Traffic Engineer  
City Engineering  
50 West 13th Street  
Dubuque, IA 52002

**Co-Sponsor:** Iowa DOT District 6  
Sam Shea  
5455 Kirkwood Blvd. S.W.  
Cedar Rapids, IA 52404

**Description:** The proposed improvements at Northwest Arterial and Pennsylvania Avenue consist of adding a right-turn only lane on the east leg of Pennsylvania Avenue with traffic signal adjustments. Adding a dedicated right-turn lane would allow free right-turn movements during the red phase, and would allow overlapping turn movements to occur during southbound left-turn movements. This improvement in efficiency would result in minimized queue lengths. These lane improvements would also allow sustained coordination of the Northwest Arterial, which would minimize idling.

**Total Cost:** \$415,000  
**Requested Amount:** \$332,000 (80%)

**10. Project Name: RideConnect Vanpool**

**Sponsor:** East Central Iowa Council of Governments  
**Contact:** Brock Grenis  
700 16th Street NE, Suite 301  
Cedar Rapids, IA 52402

**Description:** A contracted vanpool service open to the public in ECICOG and RPA 10's seven counties. Will consist of up to 26 vans operated by a contractor to be selected through an RFP. The vanpool will be identified as RideConnect, and ECICOG will provide administration, marketing, and outreach activities. Dedicated funding for a guaranteed ride home program will also be included.

**Total Cost:** \$177,800  
**Requested Amount:** \$142,240 (80%)



**11. Project Name:** SE Oralabor Road & SE Delaware Avenue Roadway and Traffic Signal Improvements

**Sponsor:** City of Ankeny  
**Contact:** Mark Mueller, P.E., Director of Public Works  
220 West 1st Street  
Ankeny, IA 50023

**Co-Sponsor:** Iowa DOT, District 1  
Tony Gustafson, P.E., Assistant District Engineer  
District 1 Office, 1020 South 4th Street  
Ames, IA 50010

**Description:** Roadway improvements including additional turn lanes, extending existing turn lanes, and new traffic signals along 1.04 miles of SE Delaware Avenue and 1.16 miles of SE Oralabor Road to reduce traffic stops, delays, and congestion.

**Total Cost:** \$3,217,300  
**Requested Amount:** \$1,590,000 (49%)

**12. Project Name:** Traffic Signal System Timings Update - Phase 1

**Sponsor:** City of Des Moines  
**Contact:** Calvin Miller, Civil Engineer 1  
400 Robert D. Ray Drive  
Des Moines, IA 50309

**Description:** Review and update signal timing and phasing plans of the traffic signal systems in Des Moines. This project is the first phase of a multi-phase project to update the signal operation throughout the entire city. SYNCHRO traffic models will be used to help optimize signal cycle lengths, basic timing plans, split times, offsets, and time of day periods for coordination plans.

**Total Cost:** \$175,000  
**Requested Amount:** \$140,000 (80%)

**13. Project Name: 18th Street (Hoeven Valley) Viaduct**

**Sponsor:** City of Sioux City  
**Contact:** Glenn Ellis  
405 6th Street  
Sioux City, IA 51101

**Description:** Sioux City proposes to construct a new 500 foot long by 58 foot wide railroad viaduct within the Hoeven Valley. The new viaduct would provide improved access and enhanced safety for motorists, bicyclists, and pedestrians to cross over the railroad tracks. Utilization of the viaduct would also eliminate delays that may otherwise be encountered if a train is blocking the crossing.

**Total Cost:** \$15,783,481  
**Requested Amount:** \$ 1,000,000 (6%)

**14. Project Name: Bicycle and Pedestrian Transportation Promotion**

**Sponsor:** Bi-State Regional Commission  
**Contact:** Gena McCullough  
1504 Third Avenue, PO Box 3368  
Rock Island, IL 61204

**Co-Sponsor:** City of Bettendorf  
Decker Ploehn, City Administrator  
1609 State Street  
Bettendorf, IA 52722

**Description:** The purpose of this project is to promote safe use of bicycles and walking for transportation. The project will bolster a safety culture for those modes through a public education media campaign. Additionally, a Mobile Bicycle Safety Workshop will be established and workshops will be conducted throughout the Quad Cities communities to increase knowledge of bicycle safety and encourage use.

**Total Cost:** \$100,000  
**Requested Amount:** \$ 80,000 (80%)

**15. Project Name:** **Collins Road NE (Iowa Highway 100) Improvements: 51st Street Realignment at Council Street NE**

**Sponsor:** City of Cedar Rapids  
**Contact:** Gary Petersen, P.E., Capital Improvement Projects Manager  
Cedar Rapids Public Works  
1201 6th Street SW  
Cedar Rapids, IA 52404

**Description:** This project is coordinated with a larger, overall Collins Road (IA 100) improvement to separate the intersection of 51st Street and Council Street from Collins Road and Council Street. This project relocates 51st Street north to align with Park Place intersection, combining the offset T-intersections into one four-legged intersection. It also provides an additional 200' of separation from Collins Road.

**Total Cost:** \$2,255,000  
**Requested Amount:** \$ 700,000 (31%)

**16. Project Name:** **Collins Road NE (Iowa Highway 100) Improvements: C Ave NE and Old Marion Road NE Intersection Improvements**

**Sponsor:** City of Cedar Rapids  
**Contact:** Gary Petersen, P.E., Capital Improvement Projects Manager  
Cedar Rapids Public Works  
1201 6th Street SW  
Cedar Rapids, IA 52404

**Description:** This project is coordinated with a larger, overall Collins Road (IA 100) improvement to divert traffic destined for retail areas from the already congested Collins Road corridor. This project relocates the Old Marion Road and C Avenue intersection to link with a proposed backage road to allow vehicles and pedestrian access to the retail areas, bypassing Collins Road. Project length is approximately 0.2 miles.

**Total Cost:** \$3,181,000  
**Requested Amount:** \$1,000,000 (31%)

**17. Project Name: Des Moines BCycle Expansion Plan**

**Sponsor:** Des Moines Bicycle Collective  
**Contact:** Jeremy Lewis, Executive Director  
301 Grand Avenue  
Des Moines, IA 50309

**Co-Sponsor:** DMAMPO  
Mike Armstrong, Associate Transportation Planner  
420 Watson Powel, Jr. Way, Suite 200  
Des Moines, IA 50309

**Description:** The project will expand the existing Des Moines Bicycle bikeshare program by installing seven new bikeshare stations throughout downtown Des Moines. This expands the current system from 10 to 17 stations.

**Total Cost:** \$343,014  
**Requested Amount:** \$285,845 (83%)

**18. Project Name: Grand Prairie Parkway Corridor Phase 4**

**Sponsor:** City of Waukee  
**Contact:** Brad Deets, Development Services Director  
230 W. Hickman Road  
Waukee, IA 50263

**Description:** Project includes widening Alice's Road from an existing two-lane facility to a six-lane roadway with turn lanes. Project is from University Avenue to 400 feet north of Olson Drive (approximately 2,500 feet).

**Total Cost:** \$6,750,000  
**Requested Amount:** \$ 750,000 (11%)

**19. Project Name: Kirkwood Boulevard SW Single-Lane Roundabout at South College Community School District Access Drive**

**Sponsor:** City of Cedar Rapids  
**Contact:** John Witt, P.E., PTOE, Assistant Traffic Engineer  
500 15th Avenue SW  
Cedar Rapids, IA 52404

**Description:** Installation of single lane roundabout at the intersection of Kirkwood Boulevard SW with the south College Community School District access drive, which is currently a two-way stop controlled intersection with east-west traffic from College Community Schools stopping for Kirkwood Boulevard SW.

**Total Cost:** \$700,000  
**Requested Amount:** \$500,000 (71%)

**20. Project Name: Progress Park Service**

**Sponsor:** City of Muscatine Transit (MuscaBus)  
**Contact:** Kristi Korpi, Transit Supervisor  
1459 Washington Street  
Muscatine, IA 52761

**Description:** Progress Park, an industrial park, is home to 22 businesses. It is located within the city limits of Muscatine, just off Highway 61 South at the intersection of 49th Street South. The number of employees per business ranges from a single employee to up to 90 employees. The proposed project would offer transit rides from Muscatine to Progress Park and back. The impact of offering transit service will reduce travel of single-occupant vehicles, reduce emissions and reduce transportation related congestion.

**Total Cost:** \$191,575  
**Requested Amount:** \$153,260 (80%)