

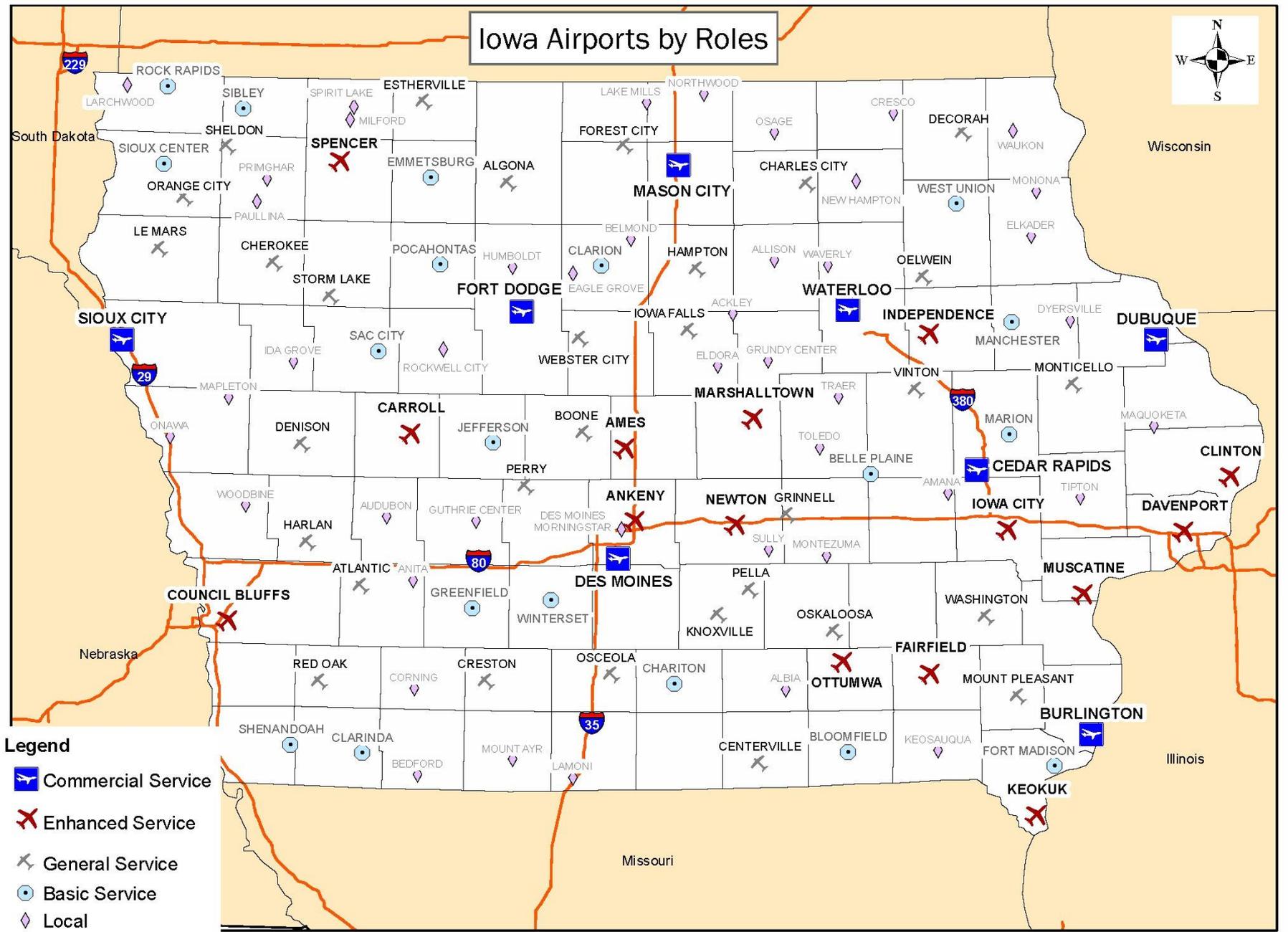
State Aviation Program FY 2015



Iowa Transportation Commission
August 11, 2014



Iowa Airports by Roles



- Legend**
- Commercial Service
 - Enhanced Service
 - General Service
 - Basic Service
 - Local

State Aviation Grant Programs

- Airport Improvement Program (AIP)
 - Aviation safety
 - Aviation planning and development
- Commercial Service Vertical Infrastructure Program (CSVI)
- General Aviation Vertical Infrastructure Program (GAVI)



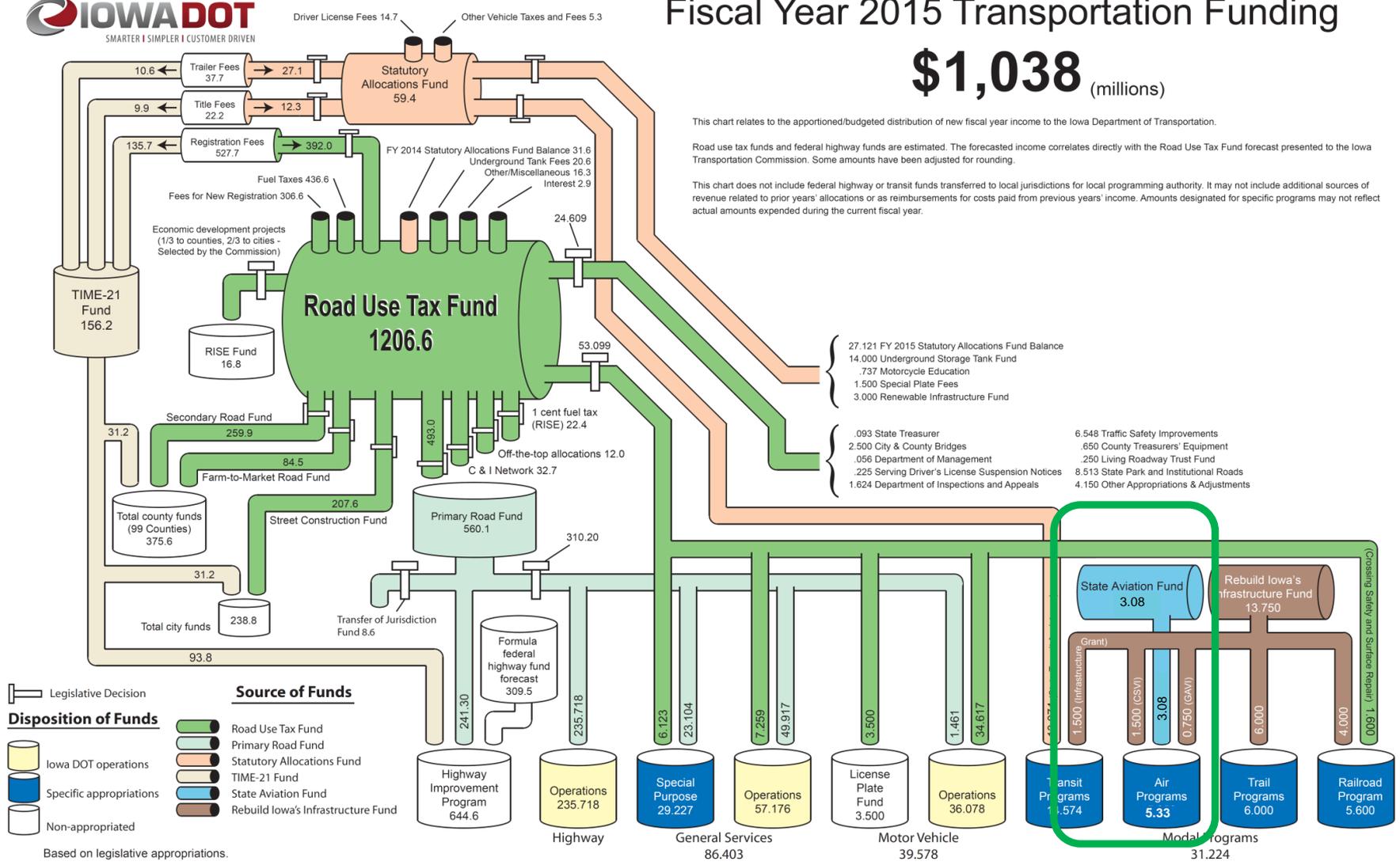
Fiscal Year 2015 Transportation Funding

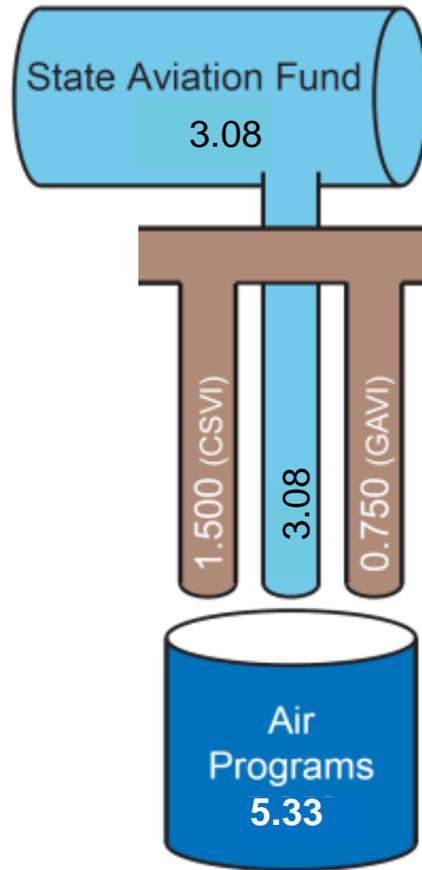
\$1,038 (millions)

This chart relates to the apportioned/budgeted distribution of new fiscal year income to the Iowa Department of Transportation.

Road use tax funds and federal highway funds are estimated. The forecasted income correlates directly with the Road Use Tax Fund forecast presented to the Iowa Transportation Commission. Some amounts have been adjusted for rounding.

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

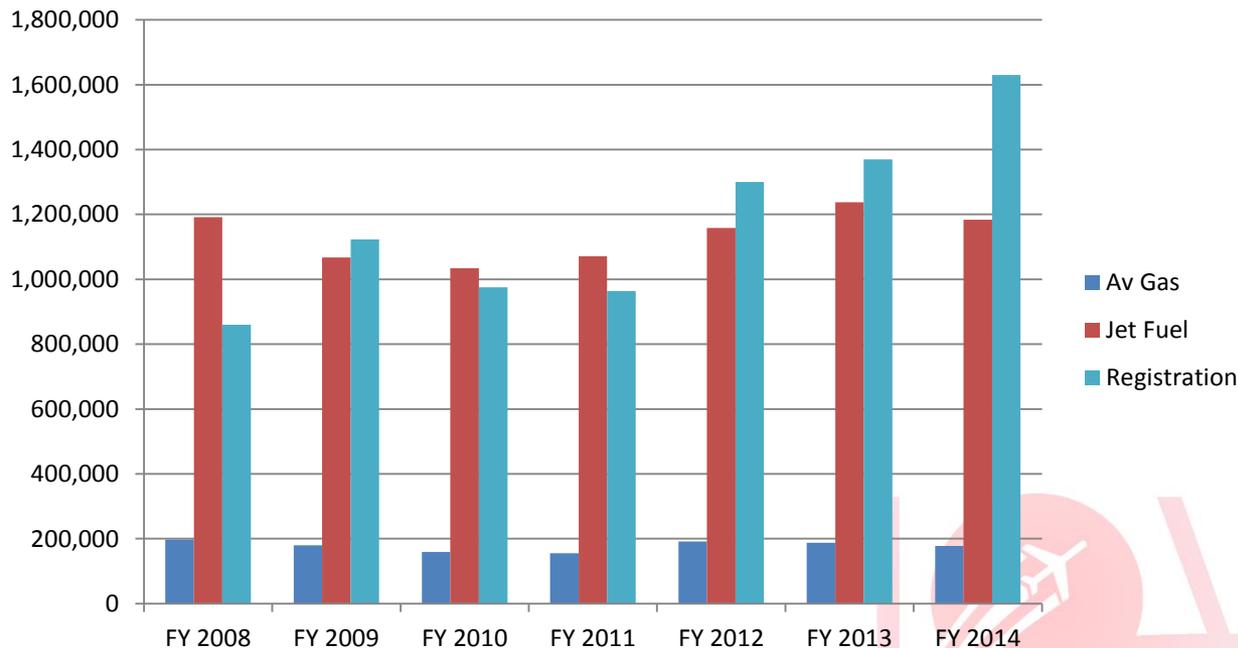




Airport Improvement Program

Funded by the State Aviation Fund

Aviation Revenue History



State Programming Process

- Applications due May
- Aviation staff review and prioritization of projects
- Review recommended program with director
- Recommendation to Commission in August
- Request approval from Commission in September



State Aviation Program FY 2015

- Airport Improvement Program \$3,080,047
 - Vertical Infrastructure Programs
 - Commercial Service (CSVI) \$1,500,000
 - General Aviation (GAVI) \$ 750,000
- Total \$5,330,047



FY 2015

Airport Improvement Program

- **Aviation Safety** \$ 391,314
 - AWOS maintenance, data link
 - Runway marking
 - Immediate Safety Enhancements
 - Windssocks
 - Wildlife mitigation
 - Obstruction mitigation
 - Education and outreach

- **Aviation Planning & Development** \$2,688,733
 - Airport planning and development projects
 - Air service development
 - Land use implementation
 - Statewide planning studies/zoning/

Total \$ 3,080,047

FY 2015 Aviation Safety

- Runway Marking
- Windsocks
- Wildlife Initiative
- Immediate Safety Enhancement Grants
- Obstruction Mitigation



Airport Improvement Program

Airport Development Projects

- 761 Iowa Administrative Code Section 710.5(328) State airport improvement funds
 - Public owned airports
 - Projects benefit and accessible to public
 - Airport layout plan
 - Evaluate projects based on aviation system plan: airport roles, goals and objectives; justification; and ability to enhance activity
 - Up to 85% state share

Airport Development Projects

Staff Review and Prioritization

- Project Requirements:
 - New construction must be shown on an Airport Layout Plan
 - Meet objectives of system plan
 - No outstanding grants not showing significant progress
 - Security plan if security project
 - Projects greater than \$5,000
- Prioritization Criteria
 - Airport Role
 - Local participation
 - Multi-jurisdictional support
 - Type of project
 - Justification



Airport Development Project Assessment

Airport Role	5-20
Enhanced/commercial service	20
General service	15
Basic service	10
Local service	5

Multi-jurisdictional – coordinated efforts	0-10
Involves more than one airport	10
Involves city and county	5
Not applicable	0

Local Participation	5-30
70% or more	30
55-69%	25
40-54%	20
25-39%	15
16-24%	10
15%	5



Airport Development Project Assessment

Type of Project	5-30
Airfield lighting/navigational aids	30
Planning	30
Runway surfaces	30
Obstruction removal	30
Obstruction lighting	25
Other airfield surfaces	25
Signage (runway)	25
Fuel facilities	25
Landside lighting/other security	25
Fencing	20
Land	10
Parking lot, entrance road	5
Signage (airport)	5

Project Justification	5-20
Examples:	
Safety/security	20
Preservation/rehabilitation	15
Business/economic development expansion	15
Increases capacity	15
Beyond system plan objective, need established	10



FY 2015 Airport Development Recommended Projects

Airport	Type of Improvement	Project	Total Project Cost	State Share
Algona	Construct 2-stall T-hangar	Building	\$250,000	\$150,000
Algona	T-hangar approach paving, (2-stall)	Pavement	\$62,000	\$49,600
Ankeny	Construct 6-unit T hangar	Building	\$306,400	\$150,000
Ankeny	Construct apron for 6-unit T-hangar	Pavement	\$66,265	\$56,325
Belle Plaine	Apron pavement rehabilitation	Pavement	\$60,000	\$51,000
Boone	Construct apron for hangars	Pavement	\$67,110	\$57,044
Burlington	Install security system	Building	\$10,000	\$8,500
Burlington	Fuel tank replacement	Fuel System	\$51,000	\$43,350
Charles City	Ramp security lighting, REIL replacement, and hangar demolition	Miscellaneous	\$45,000	\$38,250
Cherokee County	Taxilane crack seal & hangar approach rehab	Pavement	\$179,000	\$125,300
Corning	Replacement of fuel system	Fuel System	\$120,000	\$102,000
Davenport	Fuel facility modernization	Fuel System	\$650,000	\$225,000
Harlan	Obstruction removal	Obstruction Removal	\$26,000	\$22,100
Iowa City	Electrical service replacement & north T-hangar exterior lighting	Building	\$74,000	\$49,045
Iowa City	Fuel tank system maintenance	Rehab	\$67,200	\$47,040

FY 2015 Airport Development Recommended Projects

- Continued -

LeMars	Construct t-hangar approaches	Pavement	\$37,000	\$25,900
Manchester	Expansion of apron and taxiway	Pavement	\$217,000	\$184,450
Maquoketa	Taxilane drainage improvements	Pavement	\$57,160	\$48,586
Milford	Rehabilitate airfield pavement, recycle existing runway in-place with bituminous overlay and re-paint markings	Pavement	\$309,000	\$217,000
Muscatine	Construct a connector road between hangar access road and T-hangars	Pavement	\$164,640	\$139,944
Newton	Construct storm water detention	Miscellaneous	\$128,000	\$108,800
Osceola	Terminal area pavement improvements	Pavement	\$126,810	\$107,788
Red Oak	Construct new 6-unit T-hangar & hangar taxilanes	Pavement	\$232,000	\$167,000
Sioux County Regional	Design of an Fixed Based Operator Maintenance Facility (conventional hangar), Terminal Building, and three (3) ten-unit T-hangars	Building	\$150,000	\$127,500
Winterset	Runway 32 end Runway Protection Zone and 20 foot Building Restriction Line navigation easements	RWY Safety Area	\$66,175	\$56,248

Total \$2,357,770

FY 2015 Airport Development Projects Not Recommended

Airport	Type of Improvement	Project	Total Project Cost	State Share
Cedar Rapids	Pavement joint replacement on Taxiway A and ramp	Pavement	\$135,000	\$94,500
Cedar Rapids	Thermoplastic pavement markings	Pavement	\$200,000	\$170,000
Cresco	Clean & seal joints and cracks and pavement repairs	Pavement	\$15,000	\$10,500
Davenport	Runway/Taxiway pavement maintenance program	Pavement	\$33,333	\$23,333
Davenport	Install landside ground vehicle parking area	Pavement	\$221,556	\$150,000
Des Moines	Miscellaneous pavement repairs	Pavement	\$430,000	\$130,000
Forest City	Pavement joint sealing	Pavement	\$14,250	\$9,975
Fort Dodge	Comprehensive zoning plan development	Zoning	\$125,000	\$20,000
Fort Dodge	Zoning ordinance regulations	Zoning	\$125,000	\$25,000
Iowa City	Pavement Rehabilitation	Pavement	\$241,000	\$205,020
Iowa Falls	Replace airport entrance sign	Miscellaneous	\$6,000	\$3,000
Mason City	Pavement Rehabilitation - approx. 2,400 sq yards	Pavement	\$205,000	\$143,500
Onawa	Clean and seal all seams and cracks on runway, turn-around area, and aircraft parking area	Pavement	\$19,858	\$15,900

FY 2015 Airport Development Projects Not Recommended - Continued -

Shenandoah	Construct hangar taxilanes	Pavement	\$90,000	\$72,000
Sioux City	Pavement Maintenance, pavement repair, pavement resurfacing, and pavement replacement	Pavement	\$400,000	\$200,000
Spirit Lake	Conduct sealing and crack repairs on runway	Pavement	\$42,000	\$29,400
Spirit Lake	Asphalt overlay landside parking lot	Pavement	\$34,000	\$23,800
Waterloo	Runway, taxiway, and apron joint sealing	Pavement	\$14,350	\$10,000
Waverly	Bulk hangar insulation renovation	Building	\$70,800	\$60,180
Winterset	Runway 32 end safety area improvements	RWY Safety Area	\$189,250	\$160,862

Total \$1,556,970



FY 2015

Air Service Development (ASD)

- **Air Service Sustainment** – ongoing marketing and educational programs, studies, matching funds for federal grants
 - 80% state share
 - Maximum \$28,000 for each commercial service airport
 - Focus on building market share within the airport's market area
 - Advertising, web site enhancements, promotions, travel champions, & public relations
 - 2008 Air Service Study found 500,000 potential passengers leaving market areas



FY 2015 Air Service Development Enhancement

- **Air Service Enhancement** – recruitment of new air service using financial incentives, market entry support, and air service and data analysis studies
 - Grant cap of 40% of unobligated funds
 - Significant local match
 - Focus on new routes, low cost service and increased capacity



AIP Funding Summary

AIP

\$ 3,080,047

- **Aviation Safety** **\$ 391,314**

- **Planning & Development** **\$ 2,688,733**
 - Airfield Projects **\$ 2,357,770**
 - Air Service Development **\$ 300,000**
 - Planning **\$ 15,000**
 - GAVI supplemental **\$ 15,963**



Vertical Infrastructure Programs

- Annual appropriations
 - Funding has been from Rebuild Iowa Infrastructure Fund or restricted capitals
- Iowa Code Section 8.57.B defines vertical infrastructure
 - Major rehabilitation or new construction of vertical infrastructure, includes utilities
 - Does not include routine maintenance



Commercial Service Vertical Infrastructure Program (CSVI)

- 761 Iowa Administrative Code Chapter 716 Commercial Service Vertical Infrastructure Program
 - Airports receiving scheduled commercial air service
 - Eligible projects include renovation and new construction of hangars, terminals, and maintenance facilities
 - Transportation commission approves the projects
- **FY 2015 - \$1,500,000**



Commercial Service Vertical Infrastructure Program (CSVI) FY 2015 Formula Distribution

FY 2015 CSVI Formula Distribution								
Based on \$1,500,000								
Airport	50 % of Funds	Enplanements			Cargo			Total Available if \$1,500,000
Des Moines	\$93,750	1,018,188	63.30%	\$379,776	148,241,365	73.22%	\$109,829	\$583,354
Dubuque	93,750	32,389	2.01%	12,081	74,741	0.04%	55	105,886
Eastern Iowa	93,750	491,806	30.57%	183,440	54134903	26.74%	40,107	317,297
Fort Dodge	93,750	5,625	0.35%	2,098	7,763	0.00%	6	95,854
Mason City	93,750	6,029	0.37%	2,249	2,768	0.00%	2	96,001
Sioux City	93,750	27,168	1.69%	10,133	369	0.00%	0	103,884
Southeast Iowa	93,750	7,887	0.49%	2,942	0	0.00%	0	96,692
Waterloo	93,750	19,522	1.21%	7,282	300	0.00%	0	101,032
Total	\$750,000	1,608,614	100.00%	\$600,000	202,462,209	100.00%	\$150,000	\$1,500,000



FY 2015 Commercial Service Vertical Infrastructure Projects

AIRPORT	TYPE OF IMPROVEMENT	Total Project Cost	Allocated State Share
Burlington	Replace three hangars	\$240,000	\$96,692
Cedar Rapids	Renovate terminal building lobby	\$10,387,000	\$317,297
Des Moines	Customs and Border Protection relocation	\$1,533,500	\$583,354
Dubuque	Construct terminal building	\$1,277,920	\$105,886
Fort Dodge	Construct new hangar	\$130,000	\$95,854
Mason City	Upgrade terminal electrical service	\$61,000	
Mason City	Overhead door replacement in west maintenance facility	\$60,000	\$96,001
Sioux City	Rehabilitate & build hangars	\$103,884	\$103,884
Waterloo	Upgrade emergency generator	\$67,100	
Waterloo	Window replacement & exterior masonry sealing at FBO	\$28,120	
Waterloo	Replace door at bag make-up and terminal electrical improvements	\$12,155	\$101,032
TOTAL CSVI (for funded projects only)		\$13,900,679	\$1,500,000



General Aviation Vertical Infrastructure Program (GAVI)

- 761 Iowa Administrative Code Chapter 717 General Aviation Airport Vertical Infrastructure Program
 - Governmental subdivision owning general aviation airport
 - Eligible projects include hangars, terminals, fuel facilities and maintenance facilities
 - Evaluate project based on airport role, state aviation system objectives and increased aeronautical activity
 - Up to 85% state share



General Aviation Vertical Infrastructure Review & Prioritization

- Project Requirements:
 - New construction must be shown on an Airport Layout Plan
 - Meet objectives of system plan
 - No outstanding grants not showing significant progress
 - Security plan if security project
 - Projects greater than \$5,000
 - Maximum: new construction \$150,000, rehabilitation \$75,000
- Prioritization Criteria
 - Airport Role
 - Local participation
 - Multi-jurisdictional support
 - Type of project
 - Justification



General Aviation Vertical Infrastructure Assessment

Airport Role	5-20
Enhanced/commercial service	20
General service	15
Basic service	10
Local service	5

Multi-jurisdictional – coordinated efforts	0-10
Involves more than one airport	10
Involves city and county	5
Not applicable	0

Local Participation	5-30
70% or more	30
55-69%	25
40-54%	20
25-39%	15
16-24%	10
15%	5



General Aviation Vertical Infrastructure Assessment

Type of Project	10-30
Fuel facility	30
Hangar	30
Terminal	25
Maintenance hangar	25
Maintenance building	15
Other buildings, structures	10

Project Justification	5-20
Documented need (e.g. Waiting list)	5-20
Economic development expansion	15-20
Increases capacity	10-20
Improves security/safety/functionality	10-20
Returns structure to original condition	15
Utilities	5

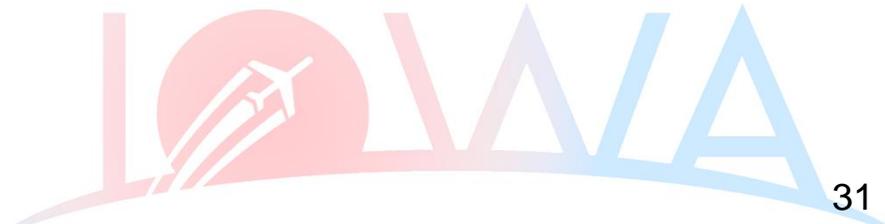
FY 2015 General Aviation Vertical Infrastructure (GAVI) Recommended Projects

AIRPORT	TYPE OF IMPROVEMENT	Total Project	
		Cost	State Share
Atlantic	Construct hangar	\$298,300	\$150,000
Boone	Construct hangar	\$201,600	\$150,000
Decorah	Construct hangar	\$235,000	\$117,500
Fairfield	Construct terminal building	\$215,675	\$150,000
Osceola	Construct hangar	\$107,140	\$74,998
Grinnell	Renovate terminal & hangar	\$60,000	\$30,000
Rock Rapids	Rehabilitate hangar roof	\$27,135	\$21,708
Sibley	Renovate terminal & hangar	\$24,000	\$14,400
Washington	Rehabilitate hangar	\$76,500	\$57,357
Total		\$1,245,350	\$765,963

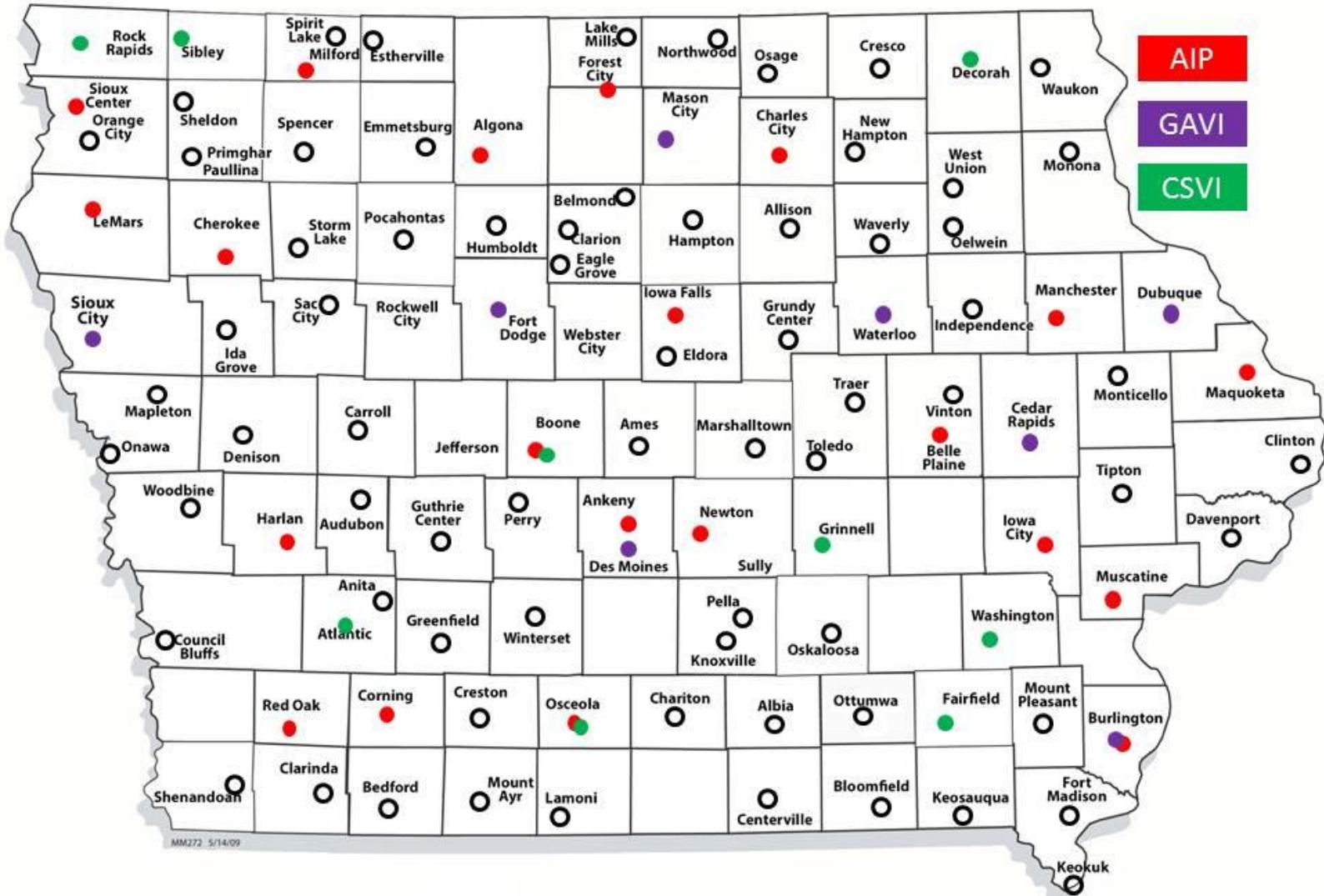


FY 2015 GAVI Projects Not Recommended

AIRPORT	TYPE OF IMPROVEMENT	Total Project	
		Cost	State Share
Atlantic	Construct hangars	\$717,200	\$150,000
Decorah	Construct hangar	\$315,000	\$150,000
Guthrie County	Rehabilitate hangar	\$24,133	\$20,513
Knoxville	Construct snow equipment building	\$210,000	\$150,000
Marshalltown	Rehabilitate hangar	\$42,000	\$37,700
Red Oak	Construct new hangar	\$210,000	\$150,000
Shenandoah	Construct new hangar	\$212,000	\$150,000
Davenport	Rehabilitate hangar	\$70,000	\$59,500
Iowa Falls	Replace fuel valve	\$3,500	\$2,975
Spencer	Rehabilitate hangar floor	\$73,000	\$58,400
Waterloo	Rehabilitate building windows	\$28,120	\$28,120
Storm Lake	Demolish building	\$80,000	\$56,000
Total		\$1,984,953	\$1,013,208



FY 2015 Grant Funding Map



MM272 5/14/09

FY 2015 State Aviation Program

Questions?

