



DES MOINES AREA MPO

Transportation Technical Committee Meeting

April 6, 2023

APPROVAL OF AGENDA

April 6, 2023, Agenda

1. Call to Order
2. VOTE: Approval of Agenda
3. VOTE: Approval of Meeting Minutes
4. REPORT and VOTE: FFY 2027 STBG Program Funding Recommendation
5. REPORT and VOTE: Federal Fiscal Year 2022 Excess Funding
6. REPORT and VOTE: Comprehensive Safety Action Plan Request for Proposals
7. REPORT and VOTE: Passenger Transportation Plan Final Draft
8. REPORT: Charging & Fueling Infrastructure Discretionary Grant Program
9. REPORT: EPA Climate Pollution Reduction Grant Opportunity
10. REPORT: Priority Project List for Annual DC Trip
11. REPORT: Upcoming Events
12. Other Non-Action Items of Interest to the Committee
13. Next Meeting Date – May 4, 2023 – 9:30 a.m.
14. Adjournment

APPROVAL OF MEETING MINUTES

FEDERAL FISCAL YEAR 2027 SURFACE TRANSPORTATION BLOCK GRANT PROGRAM FUNDING RECOMMENDATION

FFY 2027 STBG Program Funding Recommendation

- Targets for FFY 2027 STBG Funding were received in late February
 - STBG Target - \$16,090,000
- FFY 2027 request over \$39 million

FFY 2027 STBG Program Funding Recommendation



- System Capacity
 - Grimes - SE 37th Street PCC Pavement Reconstruction (West) - \$400,000
 - Waukee - Alice's Road Replacement - \$600,000

FFY 2027 STBG Program Funding Recommendation

- Major Reconstruction/Replacement
 - Altoona – 8th Street Reconstruction (Phase 2) - \$500,000
 - Ankeny – West First Street Widening and Improvements - Phase 2 - \$1,195,000
 - Bondurant – Grant Street South Realignment - \$250,000
 - Des Moines – Douglas Avenue Corridor Improvements - \$1,750,000
 - Des Moines – East Army Post Road Improvements - \$2,600,000
 - Johnston – IA 141 and Towner Drive Interchange - \$500,000
 - Polk County – NE 23rd Avenue/Easton Blvd - \$1,750,000
 - Urbandale – Douglas Parkway Preservation - \$500,000
 - West Des Moines – Ashworth Road Reconstruction and Reconfiguration - \$1,500,000

FFY 2027 STBG Program Funding Recommendation

- System Optimization
 - Des Moines - Intelligent Transportation Systems Upgrade: Phase 6 - \$1,000,000
 - Pleasant Hill - University Ave and Sherrylynn Blvd Improvements - \$500,000
 - Warren County - County Highway G16 HMA Resurfacing - \$200,000
- Bridge Program
 - Des Moines - University Avenue Bridge Rehabilitation- \$1,250,000

FFY 2027 STBG Program Funding Recommendation



- Transit Projects
 - DART – DART Bus Replacements and BCycle Station Replacement- \$1,500,000
- Other
 - MPO – TMA Program - \$95,000

FFY 2027 STBG Program Funding Recommendation

Category	Minimum Target %	Maximum Target %	Minimum Target Allocation	Maximum Target Allocation	Awarded	Actual Target %
System Capacity	0%	30%	\$0	\$4,827,000	\$1,000,000	6.22%
Major Reconstruction/Replacement	25%	N/A	\$4,022,500	N/A	\$10,545,000	65.54%
System Optimization	15%	N/A	\$2,413,500	N/A	\$1,700,000	10.57%
Bridge Program	20%	N/A	\$3,218,000	N/A	\$1,250,000	7.77%
Transit	10%	N/A	\$1,609,000	N/A	\$1,500,000	9.32%

FEDERAL FISCAL YEAR 2022 EXCESS FUNDING

Federal Fiscal Year 2022 Excess Funding

- Staff determined that \$1,271,651 in excess STBG funding is available to award to projects currently listed in the last three years of the TIP

FY 2022 Excess Funding

FFY 2021 Balance	-\$896,608
FFY 2022 Balance	\$2,168,259
FFY 2022 Excess Funding Available	\$1,271,651

Federal Fiscal Year 2022 Excess Funding

- Staff provided the Funding Subcommittee with a list of the eligible projects and the Subcommittee developed a recommendation for the excess funding at their March 9th meeting
- The following projects are recommended to received funding:
 - Ankeny - West First Street Widening and Improvements - Phase 2 - \$500,000
 - Des Moines - Douglas Avenue Corridor Improvements - \$500,000
 - Polk City - N. 3rd Street Reconstruction, Trail, and Overlay - \$271,651

COMPREHENSIVE SAFETY ACTION PLAN REQUEST FOR PROPOSALS

Comprehensive Safety Action Plan RFP



- Staff has developed the RFP for consultant services to develop the regions Comprehensive Safety Action plan
- This plan will make the MPO region eligible for SS4A implementation funding

Comprehensive Safety Action Plan RFP

- Scope of Services include:
 - Task 1: Stakeholder & Public Engagement Process
 - Task 2: State of the Practice & Data Review
 - Task 3: Crash Data Analysis
 - Task 4: Countermeasure Toolbox
 - Task 5: Implementation Plan & Programs
 - Task 6: Safe Streets Visualization & Vision Zero Toolkit
 - Task 7: Comprehensive Safety Action Plan
 - Task 8: SS4A Implementation Grant

Comprehensive Safety Action Plan RFP

- Tentative Schedule:

Activity	Date
Issue RFP	April 21, 2023
Proposal Deadline by 5:00 p.m. (CT)	May 12, 2023
Proposal Review by Consultant Selection Group	May 15-19, 2023
Consultant Interviews (virtual)	May 29- June 2, 2023
Approval from MPO Policy Committee	June 15, 2023
Award Contract	June 2023
MPO Policy Board Adopts CSAP	August 17, 2024
Apply for SS4A Implementation Grant	September 2024

FFY 2023-2027 PASSENGER TRANSPORTATION PLAN FINAL DRAFT

FFY 2023-2027 Passenger Transportation Plan Final

- IA DOT required plan – updated every 5 years
- Developed with Transportation Advisory Group guidance and input for MPO & CIRTPA region
- Priority Areas:
 - Clear & organized transportation information
 - Current and future externalities affecting mobility
 - COVID-19, funding, MCOs, etc.
 - Regional coordination
- Public Comment Concluded April 1st
 - Final draft due May 1



CHARGING & FUELING INFRASTRUCTURE DISCRETIONARY GRANT PROGRAM

Charging & Fueling Infrastructure Discretionary Grant Program

- Notice of Funding Opportunity (NOFO) released in March 2023
 - \$700 million available this cycle, and \$2.5 billion over five years
- Eligible Fuels
 - Electric, Hydrogen, Natural Gas (Compressed, Liquefied), Propane (limited to medium and heavy vehicles)
- Two grants available
 - Community Charging and Fueling Grants (“Community Program”)
 - Prioritizes rural areas, low/moderate income neighborhoods, low private parking/high multiunit dwellings
 - Award size \$500,000 - \$15 million
 - May contract with a private entity
 - Alternative Fuel Corridor Grants (“Corridor Program”)
 - Projects must be along designated Alternative Fuel Corridors (AFC)
 - Award size \$1 million and above
 - Must contract with a private entity, who is responsible for all non-federal share
 - 80% federal / 20% local
 - Applications will be considered for both grant programs and may be awarded under both
- Project Merit Criteria
 - Safety, Climate Change/Resilience/Sustainability, Equity/Community Engagement/Justice 40, Workforce Development/Job Quality/Wealth Creation, CFI Program Vision
- Applications due May 30, 2023



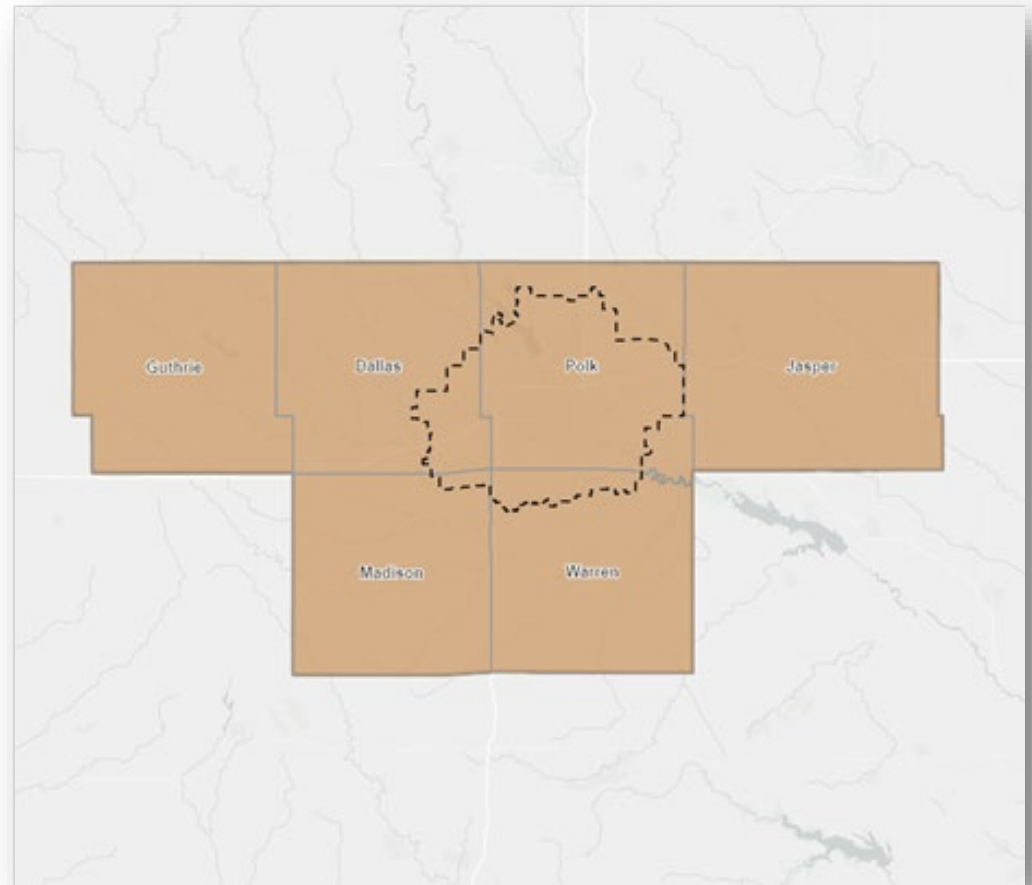
EPA CLIMATE POLLUTION REDUCTION GRANT OPPORTUNITY

EPA Climate Pollution Reduction Grant Opportunity

- Phase I of this program offers \$3 million to each state and \$1 million to the 67 most populous U.S. MSAs to aid the development of plans to reduce GHGs
 - Phase II of this program includes \$6 billion in implementation grants (competitive)
- Each state is asked to accept the grant aid or decline by March 31
- If a state declines, the \$3 million would be split and offered to the 3 most populous MSAs in the state
 - \$1 million each in alignment with 67 most populous MSAs allocation
- Each MSA will need a Lead Agency to be regional grant recipient
 - MPOs are eligible agencies

DSM/WDM MSA Counties:

Guthrie
Dallas
Polk
Jasper
Madison
Warren



EPA Climate Pollution Reduction Grant Opportunity

- EPA encourages eligible entities to develop or, where applicable, revise their existing climate plans consistent with the following programmatic priorities:
 - **Improve understanding of current and future GHG emissions** so that state and local governments can **prioritize actions** that reduce such emissions
 - Adopt and implement ambitious policies and programs to **reduce GHG emissions and accelerate decarbonization across multiple important sectors** (e.g., industry, electricity generation, **transportation**, commercial and residential buildings, agriculture/natural and working lands, and waste and materials management)
 - **Collaborate closely with other entities** in their state, region, municipality, and/or air district to **develop coordinated plans** based on best practices.
 - Explore opportunities to **leverage sources of funding and financing** from the Inflation Reduction Act of 2022, Bipartisan Infrastructure Law of 2021, American Rescue Plan Act of 2021, and Creating Helpful Incentives to Produce Semiconductors and Science Act of 2022.
 - **Stimulate innovative technologies and practices** to reduce GHG emissions and associated co-pollutants **in hard-to-abate sectors**.
 - Prioritize actions and policies that will be **durable, replicable, and provide certainty in pollution reductions**.
 - **Reduce climate pollution while building the clean energy economy** in a way that benefits all Americans, provides **new workforce training opportunities**, and effectively **addresses environmental injustices in disadvantaged communities**.
 - Adopt robust **metrics and reporting programs to track emission reductions and important benefits** throughout their jurisdiction and in disadvantaged communities.

City of DSM 2008-2019 GHG Emissions

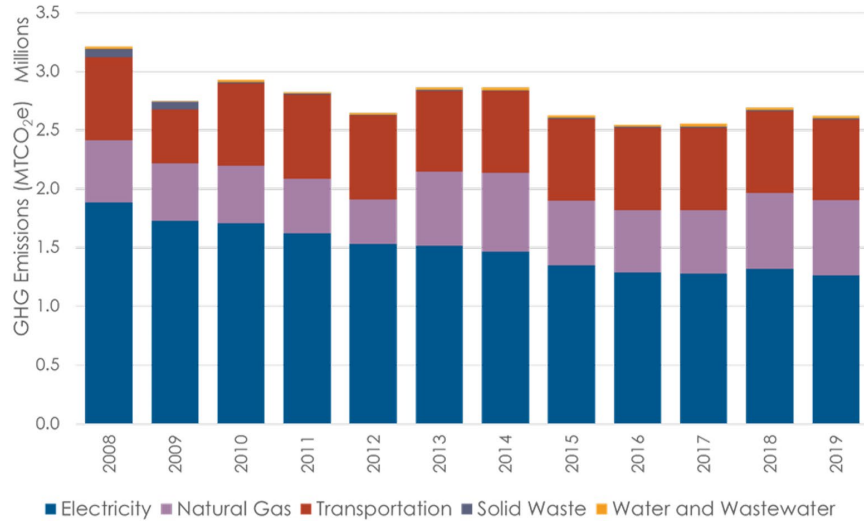
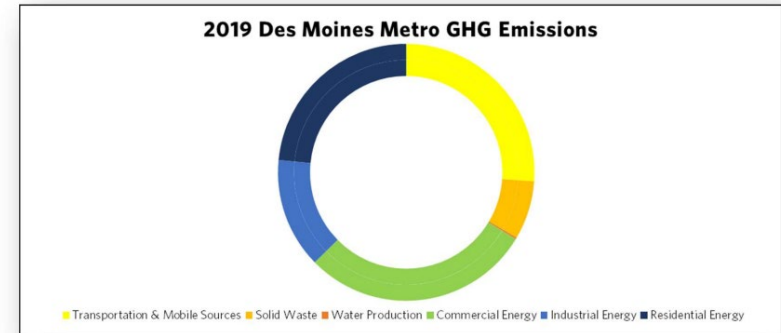


Figure 4. 2008-2019 Community GHG emissions

Table I: CY2019 Des Moines Metro Greenhouse Gas Emissions

2019 Des Moines Metro GHG Emissions		
Sector	CO ₂ e Emissions (MT)	% of CO ₂ e Emissions
Transportation & Mobile Sources	1,540,810	26.1%
Solid Waste	435,143	7.4%
Water Production	12,005	0.2%
Commercial Energy	1,707,038	28.9%
Industrial Energy	819,709	13.9%
Residential Energy	1,384,174	23.5%
Total	5,898,879	100.0%

Figure I: 2019 Des Moines Metro Greenhouse Gas Emissions



EPA Climate Pollution Reduction Grant Opportunity

- Funding recipients will need to produce and submit three key deliverables in Phase I
 - A Priority Climate Action Plan (PCAP), due in early 2024;
 - A Comprehensive Climate Action Plan (CCAP), due 2 years from the date of the award;
 - A Status Report, due at the close of the 4-year grant period.

- Phase II Implementation grants eligibility will require these program plans.

Plan Element	Priority Climate Action Plan	Comprehensive Climate Action Plan	Status Report
GHG Inventory	Required	Required	Update Encouraged
GHG Emissions Projections	Not Required	Required	Update Encouraged
GHG Reduction Targets	Not Required	Required	Not Required
Quantified GHG Reduction Measures	Required (priority measures only)	Required (comprehensive)	Status and Updates Required
Benefits Analysis	Encouraged	Required	Required
Low Income/Disadvantaged Communities Benefits Analysis	Required	Required	Required
Review of Authority to Implement	Required	Required	Update Required
Intersection with Other Funding Availability	Encouraged	Required	Required
Workforce Planning Analysis	Encouraged	Required	Required
Next Steps/Future Budget and Staffing Needs	Not Required	Not Required	Required

EPA Climate Pollution Reduction Grant Opportunity

- Eligible activities in planning phases:
 - Staffing and contractual costs necessary to develop the deliverables identified in this document;
 - Planning and implementing meetings, workshops, and convenings to foster collaboration among and between levels of government, the public, and key stakeholders;
 - Outreach and education for stakeholders and members of the public
 - Subawards to municipalities, air pollution control agencies, regional planning organizations, non-governmental organizations (NGOs), academic institutions, etc.;
 - Modeling and analytical costs, including purchase or licensing of software, data, or tools;
 - Studies, assessments, data collection, etc., needed to develop the required deliverables;
 - Evaluation and metrics-tracking activities;
 - Training and staff capacity-building costs;
 - Supplies (e.g., office supplies, software, printing, etc.);
 - Incidental costs related to the above activities, including but not limited to travel, membership fees, and indirect costs; and/or,
 - Other allowable activities as necessary to complete the required deliverables.

EPA Climate Pollution Reduction Grant Opportunity

- MPO staff is seeking input and direction
 - The State of Iowa officially declined to participate.
 - Is there interest in the Des Moines MSA accepting the \$1 million with MPO as lead agency?
 - Next steps in the process will include:
 - MPO board action to submit a notice of intent to participate to EPA by April 28th
 - Submission of an application to EPA by May 31st
 - EPA awards announced summer 2023
 - MPO budget amendment to program award

PRIORITY PROJECT LIST FOR GREATER DES MOINES PARTNERSHIP D.C. TRIP

Annual DC List

- DMDC 2023, the annual trip to Washington DC organized by the Greater Des Moines Partnership, is May 10-12.
- MPO is working with member governments to develop a list of priority transportation projects to be discussed with Iowa's Congressional delegation.
- This year, the DC list is returning to its roots and including only projects that are actively seeking funding, along with any important policy initiatives.
- An email seeking projects for the list was sent to the Transportation Technical Committee and Policy Committee on Feb. 14.
- Deadline to submit was March 17
- With Policy approval, it was sent to the Greater Des Moines Partnership for inclusion in the overall policy book.

2023 MPO/Greater Des Moines Partnership Priority Transportation Projects

ID	Sponsor	Project	Description	Total Project Cost	Funding Program	Funding Request
	City of Altoona	8th St. SW Reconstruction – Phase 2	US 65 to Venbury Drive	\$10,250,000	Community Project Funding	\$4,500,000
	City of Altoona	New East Polk County Interchange				
	City of Bondurant	Plan and Land Acquisition for Grant Street South Realignment / Central District Stormwater Improvements	Engineering and design for the proposed Grant Street South Realignment/Central District Stormwater Improvements Phase 1 construction project, as well as acquisition of the associated land.	\$6,000,560	Community Project Funding	\$6,500,000
	City of Bondurant	10th Street SW Bridge Replacement and NE 64th Street Upgrade	This project will extend 10th Street SW to the east and Garfield Street SW to the south, including replacing the bridge that was formerly on 15th Street SW and widening NE 64th Street from Highway 65 to NE 78th Avenue.	\$17,975,000	Community Project Funding	\$5,000,000
	City of Clive and City of Urbandale	Hickman Road Interchange at I-35/80	Widen I-35/80 and construct auxiliary lanes from Douglas Ave. to University Ave.; Reconfigure US 6/Hickman Rd interchange, which is one of the metro's busiest intersections. It is over capacity for the volume of traffic, presenting safety and efficiency concerns. A project to reconstruct the interchange is slated for 2024-2028.	\$76,700,000	Various	
	DART	New Operations and Maintenance Facility	DART's current facility at 1100 DART Way is beyond its useful life. Built in the 1970s and requiring more than \$65 million in infrastructure enhancements by 2040, the FTA in Region VII does not support major renovations to the facility due to it being in the floodplain and having a past history of water intrusion. A proposed new facility would include a maintenance building, bus storage and an office building, and would alleviate flooding concerns, allow for expanded use of electric vehicles and improve overall safety and operational efficiency. DART received a \$17.275 million Buses and Bus Facilities grant from the FTA in 2019 for Phase I of the project and has completed environmental review. This current grant request is for Phase II, which DART hopes to complete simultaneously for cost efficiency.	\$111,000,000	FTA Bus and Bus Facilities	\$45,000,000
	City of Des Moines and City of Pleasant Hill	SE Connector	Completion of the final 2.2 miles of the Southeast Connector provides a continuous Martin Luther King, Jr. Parkway corridor from I-235 in Des Moines to U.S. Highway 65 in Pleasant Hill. The roadway project provides two vehicular travel lanes, curbs and gutters, street lighting, and a 12-foot-wide multi-use trail with green space on the south side. The project includes grading for possible future expansion should traffic demand or development necessitate. The construction also includes a 1,515-foot-long, seven span bridge over Fourmile Creek, the floodway, and a railroad spur.	\$95,000,000	RAISE	\$25,000,000
	City of Des Moines and Polk County	NE 23rd Street/Easton Blvd. Reconstruction	Reconstruction of NE 23rd Avenue / Easton Boulevard between Fourmile Creek and East of NE 58th Street on NE Oak Hill Drive. The project will improve traffic safety by reducing delays with a continuous center turn lane, turn lanes, and signals at two unsignalized intersections.	\$11,000,000	Community Project Funding	\$2,500,000
	Des Moines Airport	New Terminal	The development of a new 14-gate terminal at the existing airport.	\$500,000,000	Various	
	HIRTA	Winterset Bus Storage Building	An indoor bus storage building to be located in Winterset with space for 9 buses, plus 1 office, training space, maintenance bay, bus wash and EV charging.	\$4,500,000	Community Project Funding	\$3,600,000
	HIRTA	Knoxville Bus Storage Building	An indoor bus storage building to be located in Knoxville with space for 9 buses, plus 1 office, training space, maintenance bay, bus wash and EV charging.	\$4,500,000	Community Project Funding	\$3,600,000
	Iowa Department of Transportation, Urbandale, and Clive	I-35/80 interchange with U.S. 6/Hickman Rd.	Widen I-35/80 and construct auxiliary lanes from Douglas Ave. to University Ave.; Reconfigure US 6/Hickman Rd interchange.	\$76,600,000	Various	
	City of Johnston, Polk County and Iowa DOT	Highway 141 Improvements	Improvements to Highway 141, specifically a new interchange at a relocated NW Townner Drive and an interchange modification at Hwy 415.	\$44,501,000	RAISE	\$25,000,000
	City of Polk City, Polk County Conservation	Trail Connection – Neal Smith to High Trestle	Connecting the Neal Smith Trail to the High Trestle Trail in Polk City.	\$5,192,500	Community Project Funding	\$831,000
	City of Waukee	University Avenue Area Transportation Improvements	The RAISE Grant will fund construction and reconstruction of portions of University Avenue, Warrior Lane, 3rd Street, 8th Street, and 10th Street in Waukee to fill the existing gap in the transportation network and bring the roads up to modern urban standards. Also included is 6.3 miles of trail construction along the roads and within the nearby greenway, six pedestrian underpasses beneath the roadways, and adjacent water quality improvements.	\$40,000,000	RAISE	\$25,000,000
	City of Windsor Heights	73rd Street Reconstruction	Reconstruction of 73rd Street from from Hickman Road to I-235 with improved connections to West Des Moines via 8th Street.	\$20,000,000	RAISE	\$14,148,600
	Various	Future 435	Re-designate US 65/Iowa 5 as an interstate.	\$3,000,000	NA	NA

COMMUNITY PROJECT FUNDING REQUESTS

Altoona	8 th St. SW Reconstruction	\$4.5 million
Bondurant	Grant Street South / Central District Stormwater improvements	\$6.5 million
Bondurant	10 th St. SW Bridge Replacement and NE 64 th St. upgrade	\$5 million
Des Moines	NE 23 rd St. / Easton Blvd. Reconstruction	\$25 million
HIRTA	Winterset Bus Storage Building	\$3.6 million
HIRTA	Knoxville Bus Storage Building	\$3.6 million
Polk City, Polk County Conservation	Trail Connection -- Neal Smith to High Trestle	\$831,000

OTHER FUNDING REQUESTS			
DART	Operations and Maintenance Facility	FTA Bus and Bus Facilities	\$44.5 million
Des Moines Airport	Terminal	Various	
Clive, Urbandale, Iowa DOT	I-35 interchange with Hickman	Various	
Des Moines and Pleasant Hill	SE Connector	RAISE	\$25 million
Johnston, Polk County, Iowa DOT	Highway 141 improvements	RAISE	\$25 million
Waukee	University Ave. improvements	RAISE	\$25 million
Windsor Heights	73 rd St Reconstruction	RAISE	\$14.1 million

GENERAL POLICY

Future 435 – Interstate Designation for 5/65 corridor

New East Polk County Interchange

UPCOMING EVENTS

Upcoming Events

- April 6th: Iowa Bike Summit – Ankeny
- April 6th: FHWA webinar on State DOT Carbon Reduction Strategy Development - Virtual @ 2:00 pm
- April 10-21st: Affordable Housing Week – multiple events sponsored by Polk County HTF
- June 15th: Utilizing Utilities: Partners and Policies to Accelerate Adoption – Virtual @ 2:00 pm
- July 23-26th: TRB International Conference on Low Volume Roads – Cedar Rapids
- November 13-15th: TRB Transportation Resilience 2023 – International Conference on Extreme Weather & Climate Change Challenges – Washington, D.C.

OTHER ITEMS OF INTEREST

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