



DES MOINES AREA MPO

Transportation Technical Committee Meeting

February 1, 2024

APPROVAL OF AGENDA

February 1, 2024, Agenda

1. Call to Order
2. VOTE: Approval of Agenda
3. VOTE: Approval of Meeting Minutes
4. REPORT AND VOTE: Election of Calendar Year 2024 Officers
5. REPORT and VOTE: Iowa DOT 2020-2024 Safety Performance Targets (PM1)
6. REPORT and OPTIONAL VOTE: Mobilizing Tomorrow: Employment, Housing Unit, and Population Projections
7. REPORT: FFY 2028 Surface Transportation Block Grant Applications
8. REPORT: FFY 2028 Surface Transportation Block Grant TAP Applications
9. REPORT: FY 2025 Unified Planning Work Program and Budget Development
10. REPORT: DC List
11. REPORT: Executive Director Search
12. REPORT: Upcoming Events
13. Other Non-Action Items of Interest to the Committee
14. Next Meeting Date – March 7, 2024 – 9:30 a.m.
15. Adjournment

APPROVAL OF MEETING MINUTES

ELECTION OF OFFICERS

CY 2024 Officers

- CY 2024 Nominating Committee:
 - Mark Mueller, City of Ankeny
 - Mike Ludwig, City of Des Moines
 - Eric Petersen, City of West Des Moines
- Nominating Committee recommends the following for CY 2024 officers:
 - Chair: Luis Montoya, DART
 - Vice-Chair: John Dostart, City of Altoona

IOWA DOT 2020-2024 SAFETY PERFORMANCE TARGETS

Iowa DOT 2020-2024 Safety Targets

As part of the Federal Highway Administration (FHWA)'s Highway Safety Improvement Program (HSIP), State DOTs and MPOs are required to annually report safety performance measures (PM1).

MPOs can either (1) support statewide targets or (2) develop their own regional targets.

Previously, the MPO adopted the Iowa DOT's statewide safety performance targets.

- The MPO still monitors regional safety performance.

There are no penalties for MPOs for not meeting or making significant progress towards targets.

Iowa DOT Statewide 2020-2024 Safety Performance Targets

Performance Measure	Five-year Rolling Averages	
	2018-2022 Baseline	2020-2024 Target
Number of Fatalities	338.6	352.6
Fatality Rate*	1.036	1.080
Number of Serious Injuries	1,363.2	1,419.8
Serious Injury Rate*	4.166	4.344
Non-Motorized Fatalities and Serious Injuries	136.4	138.2

**Rates are per 100 million vehicle miles traveled (VMT)*

***MOBILIZING TOMORROW: EMPLOYMENT,
HOUSING UNIT, AND POPULATION PROJECTIONS***

Employment, Housing Unit, and Population Projections

- Staff has developed draft employment and housing unit projections for use in the growth scenario
- Used same methodology as the last plan update with updated census data
- Woods and Poole was used to determine control totals for the region
- The Iowa DOT has reviewed and had no issues with the projections

Employment, Housing Unit, and Population Projections

- Employment Projections
 - Determined base employment numbers using parcel-based methodology
 - Base year numbers were adjusted to match Woods & Poole 2020 numbers
 - Used Woods & Poole 4-county growth rates to project employment for each member government

Jurisdiction	Base Year Employment	2020 Adjustment	2030	2035	2040	2045	2050	Total Growth
Altoona	11,296	15,569	16,340	16,988	17,548	18,031	18,464	2,895
Ankeny	30,749	42,381	44,478	46,242	47,767	49,083	50,261	7,879
Bondurant	4,387	6,046	6,345	6,597	6,815	7,002	7,170	1,124
Carlisle	1,505	2,074	2,218	2,360	2,503	2,648	2,797	723
Clive	12,821	17,672	19,563	21,421	23,275	25,118	26,970	9,298
Des Moines	130,346	179,658	188,545	196,025	202,490	208,065	213,059	33,401
Grimes	9,249	12,749	14,113	15,453	16,791	18,121	19,457	6,708
Johnston	12,638	17,420	18,281	19,007	19,634	20,174	20,658	3,239
Mitchellville	621	856	898	934	964	991	1,015	159
Norwalk	2,544	3,507	3,751	3,991	4,233	4,478	4,730	1,223
Pleasant Hill	3,394	4,678	4,909	5,104	5,272	5,418	5,548	870
Polk City	740	1,021	1,071	1,113	1,150	1,182	1,210	190
Urbandale	25,748	35,490	39,287	43,019	46,742	50,444	54,163	18,673
Waukee	5,650	7,788	9,069	10,432	11,894	13,450	15,111	7,323
West Des Moines	53,269	73,422	81,278	88,999	96,701	104,359	112,053	38,631
Windsor Heights	2,643	3,642	3,823	3,974	4,105	4,218	4,320	677
Dallas County	1,158	1,596	1,858	2,138	2,437	2,756	3,096	1,501
Polk County	21,049	29,013	30,448	31,656	32,700	33,600	34,407	5,394
Madison County	2	3	3	4	4	4	4	1
Warren County	446	614	657	699	742	784	829	214

Employment, Housing Unit, and Population Projections

- Employment Projections
 - Gain of 140,121 jobs over the plan period

Employment, Housing Unit, and Population Projections

- Housing Unit Projections
 - Used census data to determine a growth rate for each member government
 - Divided member governments into high and low growth categories
 - Growth tapers off overtime to keep projections within the control total

JURISDICTION	Growth Rate 2025-2029	Growth 2025-2029	Growth Rate 2030-2039	Growth 2030-2034	Growth 2035-2039	Growth Rate 2040-2050	Growth 2040-2044	Growth 2045-2050
ALTOONA	3.58%	1,514	3.58%	1,514	1,514	1.27%	538	646
ANKENY	5.10%	7,856	2.07%	3,191	3,191	1.27%	1,961	2,354
BONDURANT	6.44%	882	2.07%	284	284	1.27%	174	209
CARLISLE	1.03%	91	1.03%	91	91	1.27%	112	134
CLIVE	1.99%	706	1.99%	706	706	1.27%	452	542
DES MOINES	0.56%	2,721	0.56%	2,721	2,721	0.56%	2,721	3,265
GRIMES	5.81%	2,062	2.07%	735	735	1.27%	452	542
JOHNSTON	5.48%	2,708	2.07%	1,024	1,024	1.27%	630	756
MITCHELLVILLE	0.26%	13	0.26%	13	13	0.26%	13	15
NORWALK	3.75%	1,048	2.07%	580	580	1.27%	356	428
PLEASANT HILL	3.81%	802	2.07%	436	436	1.27%	268	322
POLK CITY	4.46%	476	2.07%	221	221	1.27%	136	163
URBANDALE	2.21%	2,024	2.07%	1,900	1,900	1.27%	1,168	1,402
WAUKEE	8.06%	4,377	2.07%	1,126	1,126	1.27%	692	830
WEST DES MOINES	2.21%	3,665	2.07%	3,443	3,443	1.27%	2,117	2,540
WINDSOR HEIGHTS	0.22%	25	0.22%	25	25	0.22%	25	30
DALLAS COUNTY	2.07%	259	2.07%	259	259	1.27%	159	191
MADISON COUNTY	2.07%	49	2.07%	49	49	1.27%	30	36
POLK COUNTY	2.07%	1,165	2.07%	1,165	1,165	1.27%	716	859
WARREN COUNTY	2.07%	350	2.07%	350	350	1.27%	215	258

JURISDICTION	Base Year	2030	2035	2040	2045	2050	Total Growth
ALTOONA	8,448	10,265	11,779	13,098	13,636	14,174	5,726
ANKENY	30,797	39,292	42,483	45,428	47,389	49,350	18,553
BONDURANT	2,738	3,676	3,960	4,222	4,396	4,571	1,833
CARLISLE	1,753	1,862	1,952	2,047	2,159	2,271	518
CLIVE	7,093	7,940	8,646	9,301	9,752	10,204	3,111
DES MOINES	97,524	100,789	103,511	106,232	108,953	111,674	14,150
GRIMES	7,095	9,304	10,039	10,718	11,170	11,622	4,527
JOHNSTON	9,887	12,800	13,824	14,770	15,399	16,029	6,142
MITCHELLVILLE	979	994	1,007	1,020	1,032	1,045	66
NORWALK	5,594	6,758	7,337	7,872	8,228	8,585	2,991
PLEASANT HILL	4,208	5,097	5,533	5,936	6,204	6,472	2,264
POLK CITY	2,133	2,653	2,874	3,078	3,214	3,349	1,216
URBANDALE	18,342	20,746	22,646	24,400	25,569	26,737	8,395
WAUKEE	10,866	15,469	16,594	17,634	18,326	19,018	8,152
WEST DES MOINES	33,234	37,587	41,031	44,209	46,325	48,442	15,208
WINDSOR HEIGHTS	2,332	2,362	2,387	2,413	2,438	2,463	131
DALLAS COUNTY	2,503	2,814	3,074	3,313	3,472	3,632	1,129
MADISON COUNTY	474	533	582	627	658	688	214
POLK COUNTY	11,246	12,644	13,809	14,885	15,601	16,317	5,071
WARREN COUNTY	3,379	3,799	4,149	4,472	4,688	4,903	1,524
TOTAL	260,625	297,385	317,218	335,672	348,608	361,544	100,919

Employment, Housing Unit, and Population Projections

- Population Projections
 - Not used as part of the growth scenario
 - Used household size and vacancy rates in conjunction with housing unit projections to project population.

	Base Year	2025	2030	2035	2040	2045	2050
ALTOONA	21,551	22,324	26,186	30,048	33,413	34,785	36,158
ANKENY	75,059	78,889	95,763	103,540	110,717	115,498	120,278
BONDURANT	7,816	8,319	10,494	11,304	12,051	12,549	13,047
CARLISLE	4,389	4,434	4,661	4,888	5,125	5,405	5,684
CLIVE	17,691	18,043	19,803	21,564	23,197	24,324	25,451
DES MOINES	221,966	223,204	229,398	235,591	241,785	247,978	254,171
GRIMES	17,427	18,440	22,853	24,659	26,325	27,435	28,545
JOHNSTON	23,441	24,725	30,346	32,775	35,016	36,509	38,002
MITCHELLVILLE	2,516	2,523	2,555	2,588	2,621	2,653	2,686
NORWALK	13,740	14,255	16,598	18,022	19,336	20,211	21,086
PLEASANT HILL	10,655	11,061	12,907	14,011	15,030	15,708	16,387
POLK CITY	5,785	6,043	7,195	7,794	8,348	8,716	9,085
URBANDALE	46,269	47,290	52,333	57,127	61,552	64,499	67,445
WAUKEE	25,968	28,060	36,967	39,658	42,141	43,795	45,449
WEST DES MOINES	69,022	70,545	78,064	85,215	91,815	96,211	100,607
WINDSOR HEIGHTS	5,374	5,386	5,444	5,502	5,560	5,618	5,676
DALLAS COUNTY	6,005	6,130	6,752	7,374	7,949	8,331	8,714
MADISON COUNTY	1,146	1,170	1,289	1,408	1,517	1,590	1,663
POLK COUNTY	26,236	26,780	29,498	32,216	34,725	36,396	38,067
WARREN COUNTY	8,199	8,406	9,259	10,113	10,900	11,425	11,949
TOTAL	610,254	626,024	698,365	745,395	789,122	819,636	850,150

Employment, Housing Unit, and Population Projections

- Next Steps
 - This is on the agenda as an optional vote
 - These numbers will be used to develop the growth scenario
 - Staff will send each member government their projections along with a GIS file of the TAZ's for them to populate with their growth

FFY 2028 SURFACE TRANSPORTATION BLOCK GRANT APPLICATIONS

FFY 2028 Surface Transportation Block Grant Applications

FFY 2028 STBG - Summary of Submitted Applications

Primary Sponsor	Category	Project Title	Total Cost	Request
Altoona	Major Reconstruction/Replacement	Adventureland Drive NW PCC Pavement Reconstruction and Widening	\$9,807,500	\$5,522,800
Altoona	Planning Study	Eastern Polk County I-80 Interchange Planning & Environmental Linkages Study	\$625,000	\$500,000
Ankeny	System Capacity	NE 18th Street Bridge Over Interstate 35	\$16,850,000	\$2,000,000
Bondurant	Major Reconstruction/Replacement	Grant Street South Realignment	\$15,986,000	\$1,000,000
Clive	Major Reconstruction/Replacement	NE Alice's Road - Phase 3	\$9,700,000	\$1,000,000
DART	Transit	DART Bus Replacements and BCycle Station Replacements	\$8,027,000	\$2,000,000
Des Moines	Major Reconstruction/Replacement	East Army Post Improvements	\$12,000,000	\$2,600,000
Des Moines	System Optimization	Intelligent Transportation Systems Upgrade - Phase 8	\$12,500,000	\$1,000,000
Des Moines	Bridge	Fleur Drive Bridge Rehabilitation	\$8,000,000	\$2,100,000
Johnston	Major Reconstruction/Replacement	IA 141 and Towner Dr Interchange	\$16,500,000	\$2,000,000
Pleasant Hill	System Optimization	University and Shadyview Blvd Improvements	\$1,777,000	\$1,421,600
Polk City	Major Reconstruction/Replacement	WhiteTail Parkway Construction	\$2,203,000	\$1,762,400
Polk County	Bridge	RCB Culvert New - Triple Box	\$900,000	\$700,000
Urbandale	Major Reconstruction/Replacement	128th Street Preservation	\$1,900,000	\$1,000,000
West Des Moines	Major Reconstruction/Replacement	Ashworth Road Reconstruction and Reconfiguration	\$10,000,000	\$2,000,000
Windsor Heights	Major Reconstruction/Replacement	73rd Street Reconstruction – Phase 2	\$17,685,700	\$2,000,000
			\$144,461,200	\$28,606,800

FFY 2027 STBG Applications

- STBG Project Presentations scheduled for March 20th from 2:00 pm – 4:00 pm

FFY 2028 STBG TRANSPORTATION ALTERNATIVES PROGRAM APPLICATIONS

FFY 2028 Surface Transportation Block Grant TAP Applications

FFY 2028 STBG TAP - Summary of Submitted Applications

Project Sponsor	Category	Project Title	Total Cost	Request
Altoona	Sidewalk	Adventureland Drive NW Reconstruction / Sidewalk	\$ 9,807,500	\$ 540,800
Ankeny	Trail	Oralabor Gateway Trail at Ankeny Blvd - Grade Separation	\$ 4,100,000	\$ 1,280,000
Bondurant	Trail	Grant Street South Realignment/Central Stormwater Improvements Design	\$ 3,539,000	\$ 500,000
DART	Transit	DART Enhanced Signage	\$ 361,000	\$ 288,800
Des Moines	Road Diet / Restriping	6th Avenue Improvements	\$ 1,000,000	\$ 500,000
Des Moines	Trail	Central Place Levee Trail - Phase 2	\$ 4,040,000	\$ 500,000
Polk County	Trail	High Trestle Trail Connection through Polk City	\$ 3,558,000	\$ 1,000,000
Urbandale	Trail	Hickman Trail Construction	\$ 750,000	\$ 600,000
West Des Moines	Trail	Raccoon River East Greenway Trail	\$ 1,725,000	\$ 600,000
Windsor Heights	Trail Reconstruction	Clive Greenbelt Trail Reconstruction	\$ 271,000	\$ 100,000
			\$ 19,344,000	\$ 5,368,800

FFY 2027 STBG TAP Applications

- STBG Project Presentations scheduled for March 20th from 2:00 pm – 4:00 pm

FY 2025 UNIFIED PLANNING WORK PROGRAM AND BUDGET DEVELOPMENT

FY 2025 UPWP and Budget Development

- MPO's scope of work for next fiscal year
 - Work elements and activities
 - Committees
 - Costs
- Proposed work activities are tied to the MPO's federal requirements
- Draft due April 1st - Final due June 1st

FY 2025 UPWP and Budget Development

- MPO Requirements per US Code
 - Unified Planning Work Program (UPWP)
 - Long Range Transportation Plan (LRTP)
 - Transportation Improvement Program (TIP)
 - Public Participation Plan (PPP)
 - Congestion Management Process (required of TMAs)
 - Must have decision making bodies (e.g., MPO Policy Committee)
 - Administer STBG funding process

FY 2025 UPWP and Budget Development

- FHWA/FTA Planning Emphasis Areas:
 - Climate Change
 - Equity and Justice in Transportation Planning
 - Complete Streets
 - Virtual Public Involvement
 - Planning & Environmental Linkages
 - Data in Transportation Planning

FY 2025 UPWP and Budget Development

- MPO staff soliciting input on additional tasks for FY 2025
 - Plans
 - Studies
 - Research
 - Technical assistance to communities
- Please send any requests/ideas to MPO staff

FY 2025 UPWP and Budget Development

- Projects of Note for FY 2025 UPWP:
 - Completion of Long-Range Transportation Plan update
 - Completion of Comprehensive Safety Action Plan
 - Purple Heart Highway Interstate Designation
 - Trail Data Collection – pavement collection/forecasting and trail counts
 - Targeted strategy for federal funding opportunities
 - StreetLight data *

DC LIST

Annual DC List

- DMDC 2024, the annual trip to Washington DC organized by the Greater Des Moines Partnership, is May 8-10.
- MPO is working with member governments to develop a list of priority transportation projects to be discussed with Iowa's Congressional delegation.
- The DC List includes only projects that are actively seeking funding, along with any important policy initiatives.
- Draft list is available as a handout.
- Please submit materials by Tuesday, February 13.
- Materials can be submitted to golson@dmampo.org or input directly into the document via [link](#).

DRAFT

2024 MPO/Greater Des Moines Partnership Priority Transportation Projects

Sponsor	Project	Total Project Cost	Funding Program	Funding Request
City of Altoona	8th St. SW Reconstruction – Phase 2	\$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	\$8,000,560	Community Project Funding	\$6,500,000
City of Bondurant	10th Street SW Bridge Replacement and NE 64th Street Upgrade	\$17,975,000	Community Project Funding	\$5,000,000
City of Clive and City of Urbandale	Hickman Road Interchange at I-35/80	\$76,700,000	Various	
DART	New Operations and Maintenance Facility	\$111,000,000	FTA Bus and Bus Facilities	\$45,000,000
City of Des Moines and City of Pleasant Hill	SE Connector	\$55,000,000	RAISE	\$25,000,000
City of Des Moines and Polk County	NE 23rd Street/Easton Blvd. Reconstruction	\$11,000,000	Community Project Funding	\$2,500,000
Des Moines Airport	New Terminal	\$500,000,000	Various	
HIRTA	Winterset Bus Storage Building	\$4,500,000	Community Project Funding	\$3,600,000
HIRTA	Knoxville Bus Storage Building	\$4,500,000	Community Project Funding	\$3,600,000
Iowa DOT, Urbandale, Clive	I-35/80 interchange with U.S. 6/Hickman Rd.	\$76,600,000	Various	
City of Johnston, Polk County and Iowa DOT	Highway 141 improvements	\$44,501,000	RAISE	\$25,000,000
City of Polk City, Polk County Conservation	Trail Connection – Neal Smith to High Trestle	\$5,192,500	Community Project Funding	\$831,000
City of Waukee	University Avenue Area Transportation Improvements	\$40,000,000	RAISE	\$25,000,000
City of Windsor Heights	73rd Street Reconstruction	\$20,000,000	RAISE	\$14,148,600
Various	Future 435	\$3,000,000	NA	NA

EXECUTIVE DIRECTOR SEARCH

Executive Director Search Process

- Policy Committee voted in December to hire 2 The Top, in partnership with Deibler & Company, to lead search process.
- 22 TTC representatives responded to a survey as part of input process for developing new job description, interview questions and overall process.
- Announcement of position opening was made Jan. 8.
- Opportunity was open through Jan. 26.
- Widespread advertising of the position.

SEARCH COMMITTEE

Bob Andeweg, Urbandale

Joe Gatto, Des Moines

Tom Hockensmith, Polk County

Ruth Randleman, Carlisle

Dean O'Connor, Altoona

Tom Hadden, West Des Moines

Mark Holm, Ankeny

Executive Director Search Process -- Timeline

Schedule remains on schedule.

- December – update job description, develop job posting.
- January 8 – post position for three weeks.
- February – finalists selected and interviewed by Search Committee.
- February 15 – Policy Committee votes on a finalist and initial offer.
- February-March – contract negotiation.
- Early April – next executive director starts.

UPCOMING EVENTS

Upcoming Events

Webinars

- [Systematic Condition Analysis and Management for Multi-Use Trails](#) (Presenters: City of Des Moines Park & Recreation) – February 8
- [APA Iowa Planning on Tap: Denver’s E-Bike Rebate Program](#) – February 15
- [Holistic Vision Zero: Equitable and Healthy School Safety](#) – February 15
- [Floating Bus Stop Accessibility – What Have We Learned?](#) - February 21
- [Trails are Rural Economic Drivers](#) – February 22
- [A Safe Systems Approach: Working Across Disciplines to Improve Safety and Health Equity Outcomes](#) – February 22
- [Emerging Practices for Local Approval of EV Charging Stations](#) – March 8
- [Quickly and Comprehensively Implementing a Major Shift in Transportation Design to Improve Safety and Encourage Active Transportation](#) – March 20

Events

- [Concrete Roundabout Design and Construction Lunch-and-Learn](#) – February 2 – Ankeny, IA
- [ITE International Virtual Spring Conference](#) – March 19-20 – Virtual
- [League of American Bicyclists’ National Bike Summit](#) – March 19-21 - Washington, DC
- [Professional TrailBuilders Association Sustainable Trails Conference](#) – March 19-21 – Lanier Islands, GA
- [Smart Growth America’s Equity Summit](#) – March 27-28 – Washington, DC

OTHER ITEMS OF INTEREST

MPO Email Lists

- The MPO utilized GovDelivery to manage subscriptions for its agendas, newsletters, etc.
- Staff has updated the TTC agenda list to include new representatives.
- We would encourage you to check in on your subscriptions.
 - dmampo.org/subscribe/
- Please reach out to staff if you are having any issues getting materials.

L RTP Project Solicitation – Reminder

- Staff sent out the L RTP project solicitation on January 23rd
- Solicitation was sent though GovDelivery to Technical Committee
- Staff is requesting that all L RTP projects be submitted by February 28th
- If you did not receive the email with the submission form and instructions, please reach out to staff

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