

Siouxland Interstate Metropolitan Planning Council
Metropolitan Planning Organization's
2040 LONG RANGE TRANSPORTATION PLAN



simpco
IS ACTION!

Adopted: January 6, 2016

Acknowledgements

Policy Board Members

| | | |
|-------------------------------|----------------|---|
| Dan Moore, Chairperson | Council Member | City of Sioux City, IA |
| Bill Gaukel, Vice Chairperson | Council Member | City of Sergeant Bluff, IA |
| Mark Monson | Supervisor | Woodbury County, IA |
| Rod Koch | Mayor | City of South Sioux City, NE |
| William Rohde | Commissioner | Dakota County, NE |
| Chuck Meyer | Council Person | City of North Sioux City, SD |
| Robert Ballard | Commissioner | Union County, SD |
| Doyle Karpen | Commissioner | Union County, SD |
| Vacant | | City of Dakota City, NE |
| Keith Radig | Council Member | City of Sioux City, IA |
| Ken Beaulieu | Supervisor | Dakota Dunes CID, SD |
| Richard Owens | Board Member | Sioux City Transit System, Sioux City, IA |
| Craig Anderson | Supervisor | Plymouth County, IA |

Transportation Technical Committee Members

| | | |
|---------------------------------|---|--|
| Jill Wanderscheid, Chairperson | Neighborhood Services Supervisor | City of Sioux City, IA |
| Aaron Lincoln, Vice Chairperson | City Administrator | City of Sergeant Bluff, IA |
| Mark Nahra | Engineer | Woodbury County, IA |
| Glenn Ellis | Engineer | City of Sioux City, IA |
| Bob Livermore | Public Works Director | City of South Sioux City, NE |
| Curt Miller | Airport Director | Sioux City Gateway Airport, Colonel Bud Day Field, Sioux City, IA |
| Mike Collett | Assistant City Manager | City of Sioux City, IA |
| Jeff Dooley | Community Improvement District (CID) Manager | Dakota Dunes CID, SD |
| Kory Menken | Director of Economic Development | City of North Sioux City, SD |
| Alyssa Silhacek | City Administrator | City of Dakota City, NE |
| Raymond K. Roggow | Public Works Administrator | Union County, SD |
| Tom Rohe | Engineer | Plymouth County, IA |
| Fred Kellog | Highway Superintendent | Dakota County, NE |

Policy Board & Transportation Technical Committee Non-Voting Members

| | |
|------------------|---|
| Mark Bechtel | Federal Transit Administration - Region VII |
| Justin Luther | Federal Highway Administration - Nebraska |
| Sean Litteral | Federal Highway Administration - Iowa |
| Mark D. Hoines | Federal Highway Administration - South Dakota |
| Brad Remmich | South Dakota Department of Transportation |
| Brad Zumwalt | Nebraska Department of Roads |
| Dakin Schultz | Iowa Department of Transportation |
| Kaine McClelland | Nebraska Department of Roads |

Siouxland Interstate Metropolitan Planning Council Staff

| | |
|---------------------|------------------------------------|
| Michelle Bostinelos | Executive Director |
| Kathryn Pfaffle | GIS Analyst/Transportation Planner |
| Jacob Heil | Transportation Planner I |
| Kevin Randle | Transportation Planner I |
| Sharon Burton | Executive Assistant |

| | |
|-------------------------------|----|
| ACKNOWLEDGEMENTS | II |
| ACRONYMS | IV |

CHAPTER 1 – INTRODUCTION

| | |
|---|--------|
| THE SIMPCO METROPOLITAN PLANNING ORGANIZATION | 1 - 4 |
| THE 2040 LONG RANGE TRANSPORTATION PLAN | 1 - 4 |
| GOALS | 1 - 5 |
| PUBLIC PARTICIPATION PLAN | 1 - 17 |
| PUBLIC INPUT WORKSHOPS | 1 - 18 |
| L RTP REVISIONS AND REVIEWS | 1 - 18 |

CHAPTER 2 – COMMUNITY OVERVIEW

| | |
|----------------------|--------|
| CURRENT TRENDS | 2 - 1 |
| HERE WE ARE | 2 - 17 |
| FUTURE TRENDS | 2 - 17 |
| HERE WE GROW | 2 - 17 |

CHAPTER 3 – NON-MOTORIZED TRANSPORTATION

| | |
|------------------------------|--------|
| PERFORMANCE MEASURES | 3 - 1 |
| CURRENT EFFORTS | 3 - 2 |
| CURRENT INFRASTRUCTURE | 3 - 14 |
| FUTURE PROJECTS | 3 - 20 |
| ENVIRONMENTAL JUSTICE | 3 - 20 |
| RECOMMENDATIONS | 3 - 26 |

CHAPTER 4 – TRANSIT

| | |
|---|--------|
| PERFORMANCE MEASURES | 4 - 1 |
| SIOUX CITY TRANSIT SYSTEM | 4 - 1 |
| SIOUX CITY TRANSIT SYSTEM EXISTING CONDITIONS | 4 - 3 |
| SIOUX CITY TRANSIT SYSTEM FUTURE CONDITIONS | 4 - 16 |
| PARATRANSIT/SRTS | 4 - 18 |
| PARATRANSIT/SRTS EXISTING CONDITIONS | 4 - 18 |
| PARATRANSIT/SRTS FUTURE CONDITIONS | 4 - 22 |
| CURRENT TRANSIT SERVICE EFFORTS | 4 - 23 |
| RECOMMENDATIONS | 4 - 24 |

CHAPTER 5 – STREETS AND HIGHWAYS

| | |
|---|--------|
| PERFORMANCE MEASURE | 5 - 1 |
| HISTORY | 5 - 1 |
| CURRENT TRAFFIC CONDITIONS | 5 - 1 |
| CURRENT AND PROPOSED IMPROVEMENTS | 5 - 4 |
| SAFETY | 5 - 5 |
| TRAVEL DEMAND MODEL | 5 - 7 |
| FUTURE TRAFFIC TRENDS | 5 - 11 |
| TRANSPORTATION PROJECTS | 5 - 17 |
| ENVIRONMENTAL JUSTICE | 5 - 17 |
| RECOMMENDATIONS | 5 - 23 |

CHAPTER 6 – INTERMODAL

| | |
|---|------|
| PERFORMANCE MEASURES..... | 6-1 |
| TRUCK..... | 6-1 |
| RAIL..... | 6-5 |
| PIPELINES..... | 6-9 |
| PASSENGER RAIL..... | 6-9 |
| AIR..... | 6-9 |
| PASSENGER AIR..... | 6-10 |
| AIR AND PASSENGER AIR..... | 6-11 |
| GOVERNMENT AIR/ 185 TH AIR REFUELING WING..... | 6-13 |
| WATERBORNE FREIGHT..... | 6-13 |
| INTERCITY BUS..... | 6-14 |
| INTERMODAL..... | 6-14 |
| RECOMMENDATIONS..... | 6-16 |

CHAPTER 7 – ENVIRONMENTAL IMPACTS

| | |
|---|------|
| KEY GEOMORPHOLOGICAL FEATURES..... | 7-1 |
| ENVIRONMENTAL ISSUES..... | 7-1 |
| WATERWAYS AND BRIDGES..... | 7-2 |
| ALTERNATIVE FUELING STATIONS..... | 7-5 |
| LAND USE AND LAND COVER CONVERSION..... | 7-7 |
| AIR QUALITY MONITORING..... | 7-7 |
| PROJECTS AND ENVIRONMENTALLY SENSITIVE AREAS..... | 7-9 |
| RECOMMENDATIONS..... | 7-11 |

CHAPTER 8 – FINANCIAL SUMMARY

| | |
|---|------|
| FEDERAL FUNDING..... | 8-1 |
| STATE FUNDING..... | 8-3 |
| LOCAL FUNDING..... | 8-4 |
| REVENUE FORECASTING METHODOLOGIES..... | 8-4 |
| 2040 REVENUE FORECASTS..... | 8-6 |
| PROPOSED TRANSPORTATION PROJECTS 2020 – 2040..... | 8-8 |
| 2040 FINANCIAL SUMMARY..... | 8-16 |
| SUMMARY..... | 8-18 |

| | |
|--|------------|
| APPENDIX A – CHAPTER 1..... | A-1 |
| APPENDIX B – CHAPTER 2 AND 5..... | B-1 |
| APPENDIX C – CHAPTER 8..... | C-1 |
| APPENDIX D – MPO RESOLUTION 2015-4..... | D-1 |
| APPENDIX E – AGREEMENT FOR COOPERATIVE TRANSPORTATION PLANNING AND PROGRAMMING..... | E-1 |

ACRONYMS COMMONLY USED BY THE SIMPCO MPO

- **AADT** Annual Average Daily Traffic (number of vehicles per day)
- **AASHTO** American Association of State Highway and Transportation Officials
- **ADA** Americans with Disabilities Act (federal law)
- **AIP** Airport Improvement Program (state and federally funded projects)
- **ALAS** Accident Location and Analysis System (computerized information available to engineering and law enforcement agencies)
- **AVL** Automatic Vehicle Location
- **CAAA** Clean Air Act Amendments
- **CDBG** Community Development Block Grant Program
- **CFR** Code of Federal Regulations
- **CIN** Commercial and Industrial Highway Network (Iowa)
- **CMAQ** Congestion Mitigation and Air Quality Improvement Program
- **CMStP&P** Chicago, Milwaukee, St. Paul, and Pacific Railroad
- **COG** Council of Governments
- **CTRE** Center for Transportation Research and Education
- **DBE** Disadvantaged Business Enterprise (minority/women-owned companies)
- **DOR** Department of Roads (Nebraska)
- **DOT** Department of Transportation (Iowa, South Dakota, and federal agencies)
- **DMU** Diesel Multiple Units
- **EA** Environmental Assessment
- **EIS** Environmental Impact Statement (federally required evaluation)
- **EPA** Environmental Protection Agency
- **F-M** Farm-to-Market network of rural secondary roads
- **FAA** Federal Aviation Administration
- **FBO** Fixed Base Operator- manager of an airport's operations
- **FEMA** Federal Emergency Management Agency
- **FFY** Federal Fiscal Year – October 1 to September 30
- **FHWA** Federal Highway Administration (part of U.S. DOT)
- **FONSI** Finding of No Significant Impact
- **FRA** Federal Railroad Administration (part of U.S DOT)
- **FTA** Federal Transit Administration (part of U.S. DOT)
- **GIS** Geographic Information System –computerized mapping and planning tool
- **GPS** Global Positioning System –local identification tool using satellites
- **HOV** High Occupancy Vehicle
- **ICAPP** Iowa Clean Air Attainment Program
- **IM** Interstate Maintenance
- **IPTA** Iowa Public Transit Association
- **IRFA** Iowa Railway Finance Authority
- **ISAC** Iowa State Association of Counties
- **ISTEA** Intermodal Surface Transportation Efficiency Act of 1991
- **ITS** Intelligent Transportation Systems
- **JARC** Job Access Reverse Commute
- **LOS** Level of Service
- **L RTP** Long Range Transportation Plan
- **MAP-21** Moving Ahead for Progress in the 21st Century Act
- **MGTC** Multimodal Ground Transportation Center
- **MLK, Jr** Martin Luther King, Jr. Transportation Center

- **MPO** Metropolitan Planning Organization
- **MSA** Metropolitan Statistical Area
- **MUTCD** Manual on Uniform Traffic Control Devices
- **NAFTA** North American Free Trade Agreement
- **NENE** Nebraska Northeastern
- **NHS** National Highway System – network identified by Congress
- **NHTSA** National Traffic Safety Administration
- **NOX** Nitrogen Oxide
- **NRTF** National Recreational Trails Fund
- **NTSB** National Transportation Safety Board
- **PMS** Pavement Management System
- **PPP** Public Participation Plan
- **PRF** Primary Road Fund
- **RFP** Request for Proposal
- **RISE** Revitalize Iowa’s Sound Economy (Iowa)
- **ROUTES** Ridership Operations Utilization/Transit Efficiencies Study
- **ROW** Right-of-Way
- **RPA** Regional Planning Affiliation
- **RTP** Regional Transportation Plan
- **RUTF** Road Use Tax Fund (Iowa)
- **SAFETEA – LU** Safe, Accountable, Flexible, and Efficient, Transportation Equity Act – A Legacy for Users
- **SCTS** Sioux City Transit System
- **SHPO** State Historic Preservation Officer
- **SHRA** Siouxland Historical Railroad Association
- **SIMPCO** Siouxland Interstate Metropolitan Planning Council
- **SMS** Safety Management System
- **SOV** Single Occupant Vehicle
- **SRTS** Siouxland Regional Transit System
- **STA** State Transit Assistance (Iowa)
- **STB** Surface Transportation Board
- **STIP** Statewide Transportation Improvement Program
- **STP** Surface Transportation Program
- **SUDAS** Statewide Urban Design and Specifications
- **TAZ** Traffic Analysis Zone
- **TDM** Transportation Demand Management
- **TEA-21** Transportation Equity Act of the 21st Century
- **TMA** Transportation Management Area
- **TIP** Transportation Improvement Program
- **TJ** Transfer oriented directional sign (special signing program)
- **U-STEP** Urban-State Traffic Engineering Program (Iowa)
- **USC** United States Code
- **V/C** Volume/Capacity
- **VHT** Vehicle Hours Traveled
- **VMT** Vehicle Miles of Travel – number of miles traveled over a given highway