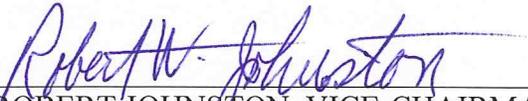


BISMARCK-MANDAN
METROPOLITAN PLANNING ORGANIZATION

2015-2016
UNIFIED PLANNING WORK PROGRAM

FINAL

THE SIGNATURE ON THE LINES THAT FOLLOW CONSTITUTE THE OFFICIAL ADOPTION OF THE 2015-2016 UNIFIED PLANNING WORK PROGRAM (UPWP) BY THE BISMARCK-MANDAN METROPOLITAN PLANNING ORGANIZATION (MPO). THE UPWP WAS ADOPTED ON October 21, 2014.


ROBERT JOHNSTON, VICE-CHAIRMAN
BISMARCK-MANDAN MPO

10/21/2014
DATE

BISMARCK-MANDAN METROPOLITAN PLANNING ORGANIZATION
UNIFIED PLANNING WORK PROGRAM
 January 2015 through December 2016

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INTRODUCTION

The Unified Planning Work Program (UPWP) is a description of the multi-modal transportation planning projects that will be conducted in the Bismarck/Mandan MPO area in calendar years 2015 and 2016. This biennial document is the foundation for requesting federal funds as well as a control tool for scheduling, budgeting and monitoring the transportation planning process.

The 2015-2016 UPWP was developed with the input of the North Dakota Department of Transportation (NDDOT), Federal Transit Administration (FTA), and Federal Highway Administration (FHWA), Bis-Man Transit and the jurisdictional partners of the MPO (Bismarck, Lincoln, Mandan, Burleigh County and Morton County). Also, public input from previous MPO studies was used to form the 2015-2016 UPWP.

The 2015-2016 UPWP is the MPO's budgeting action tool that takes the goals and projects from the active MPO Long Range Transportation Plan (2010-2035 LRTP) and soon to be approved Plan (2015-2040 LRTP) formats the chosen projects into a budgeting action plan.

It is hoped that this 2015-2016 UPWP will not only provide the MPO with a very useful budgeting, scheduling and monitoring tool, but will also provide an understandable expectation of what the MPO will endeavor in 2015 and 2016, with the public's help.

UPWP NEW ADDITIONS

This UPWP addresses two Federal emphasis areas of *Performance Based Planning & Programming* and *Access to Essential Services* to a greater degree than any previous UPWP.

The included tasks and projects of the 2015-2016 UPWP brings forth the development and implementation of a performance management approach to transportation planning and programming that supports the achievement of transportation system performance outcomes.

In addition, the projects of this UPWP address access to essential services as part of the transportation connectivity gaps in access to essential services. Essential services include housing, employment, health care, schools/education, and recreation.

Also, included in the appendix of the UPWP, for the first time, is a matrix table of MPO staff allocation of time by Task.

The projects listed below represent the selected projects that were developed from either a specific project description or a goal set forward in the soon to be approved 2015-2040 LRTP.

Projects that are contained in this UPWP that are recommended in the 2015-2040 LRTP are:

- Downtown Mandan Sub-Area Study
- Update the Transit Development Plan
- Bicycle and Pedestrian Master Plan to help address non-motorized issues and opportunities in the MPO area.

- MPO Regional Intersection Safety Study
- MPO Regional Low Cost Improvements to Existing Roadways Plan
- Traffic Optimization Plan for Bismarck

The Long Range Transportation Plan identifies the following six goals:

1. Provide a multimodal transportation system that efficiently and effectively moves people and goods between their desired origins and destinations.
2. Provide a safe transportation system.
3. Provide a secure transportation system.
4. Preserve the existing and planned system.
5. Address the transportation systems impact on the built, social and natural environment.
6. Provide a transportation system that supports and enhances the regional economy.

Following is a table which identifies which LRTP Goals are addressed by the 2015-2016 UPWP Identified Studies.

LRTP Goals

	1	2	3	4	5	6
Northeast Bismarck Subarea Study	x	x		x	x	x
Pavement Condition Study		x	x	x		
Mandan Downtown Sub-area Study	x	x		x	x	x
Burleigh Land Use Study				x	x	
MPO Intersection Safety Study		x		x		
Low Cost Improvements to Existing Roadways		x	x	x		
School Safety Study		x	x		x	
Aerial Photos/Contours				x	x	
Transit Development Plan	x	x	x			x
Traffic Signal Optimization Plan	x	x	x	x		x
Bicycle Pedestrian Master Plan	x	x	x	x	x	

The MPO is allowed to move funding between tasks to an amount up to 10% of the total cumulative yearly amount, without North Dakota Department of Transportation (NDDOT) and Federal Highway Administration (FHWA) approval. Funding added over the contract amounts, new projects, or budgetary changes in excess of 10% (cumulative) will continue to require NDDOT and FHWA/Federal Transit Administration (FTA) approvals of amendments to the UPWP. In addition, the MPO must advise the NDDOT and FHWA/FTA of any budgetary changes within the 10% limits described above.

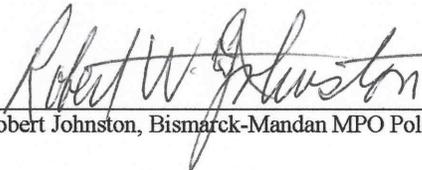
TIMELINE FOR LONG RANGE TRANSPORTATION PLAN

- 2016 – Update Traffic Analysis Zone (TAZ) structure.
- 2017-2019 – Socio-Economic Monitoring (Populate TAZs with MPO area building permit data).
- 2017 – Peer Review of Transportation Model.
- 2017 – Develop current population and employment estimates and 2040 projections. Allocate future (2020-2030 mid, 2030-2040 long) residents and employees by TAZ. (Completed 2017)
- 2017 – Update Transportation Model TAZ structure and network with most recent population and employment estimates and projections. (Completed 2017)
- 2018 – Begin 2020-2045 LRTP update.
- 2020 – Adoption of 2020-2045 LRTP.

MPO SELF CERTIFICATION

23 United States Code (U.S.C.) 450.334 requires Metropolitan Planning Organizations to regularly certify that their planning process supports the development of a comprehensive transportation plan and Transportation Improvement Program that are consistent with federal regulations concerning the following:

1. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
2. In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
6. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.



Robert Johnston, Bismarck-Mandan MPO Policy Board Vice-Chairman

10/21/2014

Date

The MPO maintains a copy of the full Self-Certification document which identifies compliance with the preceding federal regulations. The document was adopted by the MPO Policy Board on September 16, 2014 and is available for review at the Bismarck-Mandan MPO office and will be made available upon request.

BISMARCK-MANDAN MPO ACTIVITIES SUPPORTING TITLE VI AND ENVIRONMENTAL JUSTICE

The MPO is aware of Environmental Justice and Title VI requirements (concerning race, color, sex, age, national origin, disability, and/or income status) in relation to the planning process, such as the plan development, the location of public meetings, and project management decisions. The following represent a summary of significant Environmental Justice and Title VI activities conducted by the MPO:

- The MPO falls under the City of Bismarck's policies related to prohibiting discrimination on the basis of race, color, or national origin.
- The MPO's current Public Participation Plan (adopted May 2010) requires the evaluation of disproportionately high or adverse impacts through MPO activities to "Environmental Justice" groups including low income and minority populations. Further identified in the document the MPO seeks the active participation of Environmental Justice populations in the planning process. The document indicates that meeting facilities should be accessible to mobility impaired individuals and meetings should be scheduled at various times to accommodate various work schedules. Arrangements for assistance to people with any disability will be pursued such as but not limited to: acquiring earpiece systems and sign language interpreters to aid hearing impaired citizens; contacting the North Dakota School of the Blind for advice in accommodating visually impaired citizens; and contracting with other language interpretive services if needed and available.
- The MPO includes "FTA Federal Clauses", which contains language prohibiting discrimination of groups identified in the Civil Rights Act of 1964, within all of the Request for Proposals (RFPs) for MPO sponsored studies.
- The MPO maintains maps with high concentrations of minority, low income, and elderly populations for consideration in planning and programming activities.
- The MPO maintains a data base of approximately 130 transportation stakeholders within the MPO area. The stakeholders are sent notification and draft copies of various studies and programs including but not limited to the Long Range Transportation Plan (LRTP) and the Transportation Improvement Program (TIP) as well as newsletter updates informing of MPO activities. A variety of organizations representing low income and minority groups are on the MPO stakeholder list.
- Various Studies undertaken by the MPO recently have considered the locations of high concentrations of minority and low-income populations in relation to recommended transportation improvements including the current LRTP which has included maps of proposed transportation improvements in relation to significant concentrations of low income and minority populations.
- Maps were developed comparing projects in the 2014-2017 TIP to high concentrations of Environmental Justice populations.
- The MPO Policy Board adopted a Title VI and Non Discrimination Plan on July 19, 2011.

New Activities Supporting Environmental Justice and Title VI Since 2013-2014 UPWP

- The Title VI and Non Discrimination Plan was amended on June 18, 2013 to include updates to the maps to reflect recent changes in the socio-economic data for the MPO area.
- The Title VI and Non Discrimination Plan was amended on September 16, 2014 to include the following updates:
 - A new section was added to include a list of MPO staff and appointed positions within the MPO including the Technical Advisory Committee and Policy Board, along with how they are appointed and a detail of the responsibilities of each as it relates to Title VI.
 - The new section provides information regarding the Americans with Disabilities Act (ADA) of 1990 relative to Title VI requirements and the position of ADA Coordinator within the Bismarck-Mandan MPO to maintain compliance with the ADA Act of 1990. Contact information for the ADA Coordinator is provided within the Title VI Plan and also on the MPO webpage to ensure accessibility by individuals with disabilities to request appropriate provisions, auxiliary aids, or services for meeting facilities or materials. Forms to request reasonable accommodations and processes for filing of complaints about violations of ADA are also provided.
 - The Title VI Coordinator will conduct annual reviews of the Title VI program to assess its effectiveness at all levels for each reporting year ending December 31. These internal audits will be completed by March 31 following the reporting year.
 - Training programs on Title VI and other related statutes for all MPO employees will be conducted annually and will consist of, minimally, one hour of training per reporting period.
 - The MPO has increased accessibility to the Title VI and Non Discrimination Plan by all applicants, participants, and members of the public regardless of race, color, national origin, sex, age, disability/handicap, or income status, in the following manner:
 - Display racks containing the Title VI and Non Discrimination Plan, the Title VI Policy Statement, LEP Plan, ADA reasonable accommodations request forms, and Title VI complaint forms and procedures have been located at the entrances of the MPO work site.
 - The Title VI Plan and its related forms and documents have been made accessible via social media using Facebook to link to the MPO webpage.

ADMINISTRATION

100

**101 GENERAL ADMINISTRATION, COORDINATION AND LIAISON
2015-2016**

Objective:

Through this task, the MPO manages and coordinates the accounts, records, agreements, and administration of contracts for the Unified Planning Work Program and the Bismarck-Mandan area Metropolitan Planning Organization; also to provide the necessary coordination and communications between the various agencies in the Bismarck-Mandan Metropolitan area and provide for citizen information and involvement.

Present Status:

The Bismarck-Mandan Area Metropolitan Planning Organization (MPO) is presently staffed with two Transportation Planners, one part-time Transportation Planner, and an Office Assistant, who are responsible for coordinating MPO activities with the various entities within the boundaries of the MPO, which represents the MPO's operational and technical agencies. Work accomplished under this task in 2014 included reporting and billing activities and preparations for and attendance at the Technical Advisory Committee (TAC) and MPO Policy Board Meetings.

Proposed Work:

Compile and maintain records of MPO work in progress as performed by individual departments and agencies and submit them to the North Dakota Department of Transportation. Prepare monthly billings for MPO activities in progress as outlined in the Unified Planning Work Program and receive and disburse funds received for these MPO activities. Prepare and administer transit grants for local transit service.

The MPO/Transportation Planners provide liaison activities to the MPO's membership including preparation of agendas and minutes, scheduling and attendance at Technical Advisory Committee (TAC) and MPO Policy Board meetings. The MPO also takes the leadership in the development and implementation of the Long Range Transportation Plan, and other required elements of the Moving Ahead for Progress in the 21st Century (MAP-21), including updating of the Unified Planning Work Program, Transportation Improvement Program, and other MPO actions where necessary and appropriate.

Products:

Products of the MPO include formal meetings of the MPO Policy Board and Technical Advisory Committee (TAC) and submission of billings and monthly activity summaries, coordination and management of all MPO accounts and records.

The MPO produces a Transportation Improvement Plan every year, a Long Range Transportation Plan and Transit development Plan every 5 years and Public Participation plan as needed.

Completion Date:
Ongoing Activity.

Estimated Expenditures:	<u>2015</u>	<u>2016</u>
General Staff Administration of MPO Program*	\$169,524	\$173,094
Direct Administration Costs Charged from Bismarck**	30,300	34,000
Office Space Rental	9,500	9,500
Office Equipment and Supplies	1,800	1,800
Telephone Service	400	400
Mileage	600	600
Postage	700	700
Printing	2,000	2,000
Direct Miscellaneous Costs	1,000	1,000
TOTAL	215,824	223,094

Proposed Source
of Funds:

FHWA/FTA (80% or less)	172,659	178,475
Local (20% or greater)	43,165	44,619
TOTAL	215,824	223,094

*Staff includes 3 full time members (2 Transportation Planners and 1 Office Assistant) and 1 half time Transportation Planner.

** Charged Costs from Bismarck include Human Resources, Fiscal Services, and Attorney/Administration, and IT/GIS.

100.101.00

ADMINISTRATION
(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	215,824	172,659	43,165	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	215,824	172,659	43,165	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	223,094	178,475	44,619	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	223,094	178,475	44,619	

**102 TRAINING/TRAVEL AND EDUCATION
2015-2016**

Objective:

To provide MPO support staff with appropriate skills to carry out the comprehensive, continuing and coordinated Transportation Planning Process.

Present Status:

Training activities undertaken during 2014 have included a MPO staff member attending a FTA Conference in Denver, Colorado, and Tools of the Trade Conference in Burlington, Vermont.

Proposed Work:

The MPO will encourage staff attendance at selected national/local short courses, seminars and conferences. The MPO will work with other MPOs, FHWA, FTA and the NDDOT to develop and support local training programs.

Products:

To foster a more informed, capable and efficient staff.

Completion Date:

Ongoing Activity.

Estimated expenditures:	<u>2015</u>	<u>2016</u>
Associated Training Costs	\$5,500	\$5,500
Transportation and Lodging	9,700	9,700
Books/Subscriptions/Dues of Transportation Planning Material and Organizations	700	700
Non-local mileage	600	600
TOTAL	16,500	16,500

Proposed Source of Funds:

FHWA/FTA (80%)	13,200	13,200
Local (20%)	3,300	3,300
TOTAL	16,500	16,500

100.102.00

TRAINING, EDUCATION & ASSOCIATED TRAVEL

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	16,500	13,200	3,300	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	16,500	13,200	3,300	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	16,500	13,200	3,300	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	16,500	13,200	3,300	

**103 UNIFIED PLANNING WORK PROGRAM DEVELOPMENT
2015-2016**

Objective:

To prepare a Unified Planning Work Program (UPWP) for the Bismarck-Mandan Metropolitan Planning Organization and any subsequent UPWP amendments.

Present Status:

The Bismarck-Mandan Metropolitan Planning Organization has operated under a unified work program for the past twenty-four years.

Proposed Work:

The 2017-2018 Unified Planning Work Program will be developed by the MPO staff, with assistance from the Planning and Engineering departments of the Cities of Bismarck, Mandan, Lincoln, and Burleigh/Morton Counties, as well as being offered for review and input by local citizen groups as required under Moving Ahead for Progress in the 21st Century (MAP-21). Maintenance of the 2015-2016 UPWP will be provided.

Products:

2017-2018 Unified Planning Work Program and Amendments

Completion Date:

Preliminary Draft: September 2016
Final UPWP: October 2016

Estimated Expenses:

	<u>2015</u>	<u>2016</u>
Development of UPWP and Amendments	\$0	4,991
TOTAL	0	4,991

Proposed Source of Funds:

FWHA/FTA (80%)	0	3,993
Local (20%)	0	998
TOTAL	0	4,991

100.103.00

UNIFIED PLANNING WORK PROGRAM

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	0	0	0	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	4,991	3,993	998	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	4,991	3,993	998	

**104 MICROCOMPUTER ENHANCEMENTS AND SOFTWARE
2015-2016**

Objectives:

To enhance the MPO's capabilities to monitor transportation data traffic forecasting, and traffic operations. To overall improve MPO staff's ability to provide analysis, communication, and distribute applicable transportation related data. To keep staff informed on pertinent transportation issues. To build and furnish reports for FHWA, FTA, and NDDOT reporting requirements.

Present Status:

During 2013-2014 the Bismarck-Mandan MPO used computers and associated software to aid the transportation planning efforts of Bismarck, Mandan, Lincoln, Morton County & Burleigh County within the MPO area.

Proposed Work:

To provide computer hardware and software aid to the transportation planning efforts of the MPO.

Products:

To provide the MPO with effective administration, data processing, and analytical tools for transportation planning.

Completion Date:

Ongoing Activity.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Computers and Misc. Hardware	\$ 3,800	\$3,800
Computer Software	1,500	1,500
TOTAL	5,300	5,300

Proposed Source of Funds:

FHWA/FTA (80%)	4,240	4,240
Local (20%)	1,060	1,060
TOTAL	5,300	5,300

100.104.00

COMPUTER ENHANCEMENTS & SOFTWARE

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	5,300	4,240	1,060	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	5,300	4,240	1,060	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	5,300	4,240	1,060	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	5,300	4,240	1,060	

**105 TRANSIT SYSTEM ADMINISTRATION AND LIAISON
2015-2016**

Objective:

To provide technical assistance and coordinated transportation planning with Bis-Man Transit. Work to efficiently operate and expand the existing transit system at a minimal cost to the Bismarck-Mandan transit users.

Present Status:

The Elderly and Disabled para-transit service has been in service for twenty two years, beginning in 1990. This service is a 24 hour, 7 day a week, demand response system. A fixed route bus service for the total population servicing Bismarck and Mandan began in 2004 and continues to gain ridership.

Proposed Work:

Promote expansion of ridership and service routes, and maintain day-to-day administrative liaison. The Bismarck-Mandan MPO will aid in the administration of local coordination and control functions, and help with the development of the fixed route and demand response bus systems. To act as a liaison between FTA and member agencies of the MPO regarding FTA and NDDOT grant applications, reports and meetings.

Products:

Grants pertaining to Operations, Bus and Bus Facilities, State of Good Repair and Mobility of Seniors and Persons with Disabilities, along with all the associated reporting of the grants.

Completion Date:

Ongoing.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Transit Liaison and Administration	\$ 9,436	9,436
TOTAL	9,436	9,436

Proposed Source of Funds:

FWHA/FTA (80%)	7,549	7,549
Local (20%)	1,887	1,887
TOTAL	9,436	9,436

100.105.00

TRANSIT SYSTEM ADMINISTRATION

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	9,436	7,549	1,887	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	9,436	7,549	1,887	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	9,436	7,549	1,887	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	9,436	7,549	1,887	

TRANSPORTATION PLANNING

200

**201 ROAD INVENTORY AND DATA COLLECTION,
MONITORING AND UPDATE
2015-2016**

Objective:

This task seeks to monitor the condition of roadway pavements in Bismarck, Lincoln, Burleigh County, Morton County, and Mandan through annual inspections and data collection. Maintain computer database structure of all roadway pavement to aid in the planning, prioritization and implementation of new construction and preventative maintenance projects. The data obtained will eventually be used in the development of the TIP, LRTP and UPWP in subsequent years.

Present Status:

In 2004, Bismarck Engineering changed over to a modern Windows based program called MicroPAVER. MicroPAVER is a GIS compatible and analytically friendly pavement program. A Pavement Management Program was started in 2012 that involved automated street data collection by driving all Bismarck and Mandan streets. City personnel in Bismarck and Mandan have the 2012 data to form the base case for future data.

Proposed Work:

An annual review by 2015/2016 visual inspection and/or 2015 automated inspection. Also additional data collection and database maintenance will take place to monitor pavement conditions such as pavement stress, fatigue and other related conditions.

Data collection through visual inspection and automation will be used to compare present conditions with that from the 2013 automated survey or possibly start a new base case. GIS computerized base maps will be developed and will be used to integrate the databases collected into the pavement management program. This data and subsequent analysis will allow the jurisdictions to prioritize their street repair projects as well as help the MPO to prioritize the jurisdictional projects submitted to it for TIP prioritization. Although offered to many jurisdictions, only Bismarck and Mandan wished to participate.

The funding from this task will only be for functionally classified roadways.

Products:

Reports and maps of the pavement conditions of the urban roadways within Bismarck and Mandan will be generated. Data will be used for the prioritization, monitoring and creating preventative maintenance projects that improve the serviceability of the roadway systems. The data will be used to prioritize proposed projects for the forthcoming TIPs and in conjunction with the recommendations of the 2015-2040 LRTP.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Road Inventory & Data Collection, Monitoring & Update	\$58,000	\$58,000
TOTAL	58,000	58,000

Proposed Source of Funds:

FHWA/FTA (80%)	46,400	46,400
Local (20%)	11,600	11,600
TOTAL	58,000	58,000

These figures represent costs to collect data on functionally classified roadways only.

200.201.00

ROAD INVENTORY & DATA COLLECTION, MONITORING & UPDATE

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	48,000	38,400	9,600	
Mandan	10,000	8,000	2,000	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	58,000	46,400	11,600	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	48,000	38,400	9,600	
Mandan	10,000	8,000	2,000	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	58,000	46,400	11,600	

**202 TRAFFIC COUNTING, SIGN, SIDEWALK, SIGNAL & CURB DATA
COLLECTION, INVENTORY AND UPDATING
2015-2016**

Objective:

Maintain and expand the present programs for monitoring, repair or replacement of signs, sidewalks, ADA facilities, signals and traffic monitoring, and curbs within the MPO Boundaries.

Present Status:

Areas of Bismarck have been surveyed as to the condition of signs, sidewalks and curbs. Data from these surveys will be entered into a management program to make the data more flexible and accessible for transportation planning use. Other jurisdictions have been offered this partnership with the MPO but have not wished to participate.

Proposed Work:

The plan is to continue the present data collection, inventory and updating activity and input the existing and newly generated database into the management program for the sign, sidewalk, curb, signal, and ADA facilities. Although offered to many jurisdictions, only Bismarck wished to participate.

Products:

Management program for data collection that is easily viewed, easy to access and update, and provides reports and mapping of current sign, signal, sidewalk, ADA facilities, and curb conditions.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Data Collection, Inventory, and Updating	\$42,000	\$42,000
TOTAL	42,000	42,000

Proposed Source of Funds:

FHWA/FTA (80%)	33,600	33,600
Local (20%)	8,400	8,400
TOTAL	42,000	42,000

200.202.00

TRAFFIC COUNTING, SIGN, SIDEWALK, SIGNAL & CURB DATA
COLLECTION, INVENTORY & UPDATING

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	42,000	33,600	8,400	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	42,000	33,600	8,400	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	42,000	33,600	8,400	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	42,000	33,600	8,400	

**203 SOCIO-ECONOMIC PROJECTIONS
MONITORING/FORECASTING
2015-2016**

Objective:

To continually monitor the growth and development of the Bismarck-Mandan metropolitan area and its effects on land use, traffic flows and the overall transportation system.

Present Status:

A Long Range Transportation Plan for the Bismarck-Mandan Metropolitan Planning Organization (MPO) is in the process of being completed in 2014. Population and Employment estimates were developed for that LRTP and other MPO studies.

Annual or more frequent review and updates of the population and employment data, including census data, by traffic analysis zones (TAZ) will be performed using building permits issued by local units of government as its primary source of information.

The updated population and employment data will be reviewed to determine if there are significant differences in growth patterns from those projected.

Products:

The Socio-Economic data report compiled will be used for the next MPO Long Range Transportation Plan in 2015. It is anticipated that an annual surveillance and monitoring report will be developed. This report will monitor transportation, socio-economic, and related trends to assist in the transportation planning process.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Socio-Economic Projections, Monitoring, and Forecasting	\$7,476	\$7,476
TOTAL	7,476	7,476

Proposed Funding Sources:

FHWA/FTA (80%)	5,981	5,981
Local (20%)	1,495	1,495
TOTAL	7,476	7,476

200.203.00

**SOCIO-ECONOMIC PROJECTIONS
MONITORING & FORECASTING**
(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	7,476	5,981	1,495	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	7,476	5,981	1,495	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	7,476	5,981	1,495	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	7,476	5,981	1,495	

**204 PLANNING STUDIES
2015-2016**

Objective:

To provide for studies of specific transportation concerns that may have an impact on the MPO's Transportation Plan, Transportation Improvement Program or MPO planning process.

Present Status:

Presently using the soon to be adopted 2015-2040 Long Range Transportation Plan as a master plan, local partner entities must determine the timing of the studies recommended in the transportation plan. The 2010 -2035 Long Range Plan Study recommendations, as well as other study needs brought before the MPO are being considered before the MPO.

Proposed Work:

The proposed 2015-2016 studies include: an Ortho Photos/LIDAR project; a Burleigh County Land Use Update; a Bike/ Pedestrian Plan for the cities of Bismarck and Mandan; a School Safety Study for Bismarck and Mandan; a Traffic Optimization Plan for Bismarck; an MPO Intersection Safety Study; a Downtown Mandan Sub-Area Study; a Bismarck and Burleigh County Pavement Condition Study; and a Low Cost Improvements to Existing Roadways Plans.

Products: The product studies programmed for 2016 and 2017 are the following:

- Burleigh County Land Use Update;
- Bismarck and Burleigh County Pavement Condition Study;
- Ortho-photos and LIDAR Generated Contours Project;
- Downtown Mandan Sub-Area Study;
- MPO Regional Intersection Safety Study;
- MPO Regional Low Cost Improvements to Existing Roadways Study;
- Bismarck and Mandan School Safety Study;
- Traffic Signal Optimization Plan for Bismarck;
- Bike and Pedestrian Master Plan for Bismarck and Mandan.

Completion Date:

While projects are scheduled to be completed in 2015 and 2016, not all projects may be completed in the year indicated. This may cause some projects to carry over into the 2017-2018 UPWP.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Planning Studies	\$910,000	\$981,000
TOTAL	910,000	981,000

Proposed Source of Funds:

FHWA/FTA (80%)	728,000	784,800
Local (20%)	182,000	196,200
TOTAL	910,000	981,000

200.204.00

TRANSPORTATION PLAN STUDIES

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	PROJECT PARTICIPATION **
Bismarck/Planning	387,200	309,760	77,440	AA, BB, A, B, C, F, G
Bismarck/Engineering	0	0	0	
Mandan	192,400	153,920	38,480	BB, A, B, D, F, G
Morton County	8,425	6,740	1,685	BB, A, B, F, G
Burleigh County	280,550	224,440	56,110	AA, BB, A, B, C, E, F, G
Lincoln	8,425	6,740	1,685	BB, A, B, F, G
Other*	33,000	26,400	6,600	BB
TOTALS	910,000	728,000	182,000	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	PROJECT PARTICIPATION **
Bismarck/Planning	513,530	410,824	102,706	A, B, G, H, I, J, K
Bismarck/Engineering	0	0	0	
Mandan	250,970	200,776	50,194	A, B, D, G, H, I, J
Morton County	69,830	55,864	13,966	A, B, G, I
Burleigh County	94,925	75,940	18,985	A, B, G, I
Lincoln	4,745	3,796	949	A, B, G, I
Other**	47,000	37,600	9,400	J
TOTAL	981,000	784,800	196,200	

PLANNED STUDIES

- AA --Completion of NE Bismarck Sub-Area Study(\$190,000)
- BB - Completion of I-94m Study(\$33,000)
- A--- ATAC Annual Fee (\$7,000) - yearly
- B---Study Associated Modeling (\$40,000) - Yearly
- C---Pavement Condition Study (\$150,000) - 100%
- D--- Downtown Mandan Sub-Area Study(\$250,000) - 50% 2015 & 50% 2016
- E---Burleigh County Land Use Update(\$75,000) - 100%
- F-- MPO Regional Intersection Safety Study (\$200,000) -100%
- G---MPO Regional Low Cost Improvements to Existing Roadways Plan (\$180,000) - 50% 2015 & 50% 2016
- H---Bike/Pedestrian Study (\$140,000) - 100%
- I---Aerial Photos/ Contours (\$185,000) - 100%
- J---School Safety Study (\$284,000) - 50% 2016 & 50% 2017
- K---Traffic Signal Opt. Plan for Bismarck(\$336,000) - 75% 2016 & 25% 2017

* North Dakota Department of Transportation

** Bismarck Public and/or Private Schools

**205 TRANSPORTATION IMPROVEMENT PROGRAM
2015-2016**

Objective:

Prepare Transportation Improvement Program (TIP) for 2016 and 2017, as well as subsequent 2015 and 2016 TIP amendments that comply with MAP-21 regulatory requirements, and submit them to the North Dakota Department of Transportation.

Present Status:

A TIP has been prepared and approved annually since 1983. The MPO has developed a draft 2015-2018 TIP.

Proposed Work:

To develop a TIP in 2015 and 2016 that meets the requirements of MAP-21, or any new transportation authorization. Beginning with the 2016-2019 TIP, as well as subsequent TIPs, the TIPs will have MPO project prioritizations.

Product:

2016-2019 TIP and 2017-2020 TIP

Completion Date:

Priority List Submission:	November 2014	November 2015
Draft TIP:	April 2015	April 2016
Final TIP:	July 2015	July 2016

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
TIP Development and Implementation	\$5,512	\$5,512
TOTAL	5,512	5,512

Proposed Source of Funds:

FHWA/FTA (80%)	4,410	4,410
Local (20%)	1,102	1,102
TOTAL	5,512	5,512

200.205.00

TRANSPORTATION IMPROVEMENT PROGRAM

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	5,512	4,410	1,102	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	5,512	4,410	1,102	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	5,512	4,410	1,102	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	5,512	4,410	1,102	

**206 TRANSIT STUDIES
2015-2016**

Objective:

To insure that the safety needs of the elderly and physically challenged are being addressed. To also meet transportation needs of the Bismarck-Mandan area by providing public transportation through fixed-route busing.

Present Status:

The latest Transit Development Plan, "Mobility 2017" was developed in 2011/2012 and addressed the concerns of the current para-transit and fixed-route transit systems, and which alternatives are available and feasible to implement, that will allow the transit system to improve through 2017. The completed 2012 Transit Development Plan addressed many challenging questions to the transit system that are still being reviewed and analyzed for implementation.

Proposed Work:

To develop a Transit Development Plan for final approval by March 1, 2017.

Products:

None

Completion Date:

March 1, 2017

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Consultant Services	\$0	\$155,000
TOTAL	0	155,000

Proposed Source of Funds:

FHWA/FTA (80%)	0	124,000
Local (20%)	0	31,000
TOTAL	0	155,000

200.206.00

TRANSIT STUDIES
(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Transit	0	0	0	
TOTALS	0	0	0	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	0	0	0	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other*	155,000	124,000	31,000	
TOTAL	155,000	124,000	31,000	

* Transit

**207 TRANSPORTATION ANALYSIS AND MONITORING
2015-2016**

Objective:

To continually monitor trends of the Bismarck-Mandan metropolitan area transportation system.

Present Status:

It is anticipated that the Bismarck-Mandan MPO will need to monitor transportation trends for significant transportation modes for a variety of reasons including but not limited to performance measures, transportation modeling, and other transportation planning related efforts. Additionally, there have been a variety of recommendations offered to enhance transportation modeling in the area.

Products:

The MPO re-established an annual surveillance and monitoring report. This report monitors transportation, socio-economic, and related trends to assist in the transportation planning process. To help accomplish this task, the purchase of video recording equipment is included.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Analysis and Monitoring	\$6,087	\$6,087
Equipment (video recording equipment)	3,500	3,500
TOTAL	9,587	9,587

Proposed Funding Sources:

FHWA/FTA (80%)	7,630	7,630
Local (20%)	1,907	1,907
TOTAL	9,537	9,537

200.207.00

TRANSPORTATION ANALYSIS AND MONITORING

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	9,537	7,630	1,907	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other*	0	0	0	
TOTALS	9,537	7,630	1,907	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	9,537	7,630	1,907	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	9,537	7,630	1,907	

**208 PERFORMANCE MEASURES
2015-2016**

Objective:

To develop performance measures, targets, and evaluation processes from the trends of the Transportation Analysis and Monitoring task, FHWA and NDDOT suggestions and requirements, and recommendations from the 2015- 2040 Long Range Transportation Plan.

Present Status:

The Bismarck-Mandan MPO is required to establish transportation related performance goals and objectives as well as methods to measure how effectively the area is meeting the established goals and objectives. It is further anticipated that performance measures will be established for significant modes of travel in the area. Currently performance measures have been recommended for transit activities within the 2012-2017 Transit Development Plan “Mobility 2017”, and are presently being developed within the current 2015-2040 LRTP efforts.

Products:

It is anticipated that performance measures will be established for the Bismarck-Mandan MPO area. An annual surveillance and monitoring report was developed to assist in evaluating adopted performance measures. The performance measures may be developed internally by MPO staff or may be contracted out for development, but this UPWP task item is strictly for performance measure development by MPO staff.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Performance Measures Development	\$6,309	\$6,309
TOTAL	6,309	6,309

Proposed Funding Sources:

FHWA/FTA (80%)	5,047	5,047
Local (20%)	1,262	1,262
TOTAL	6,309	6,309

200.208.00

TRANSPORTATION PERFORMANCE MEASURES

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	6,309	5,047	1,262	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	6,309	5,047	1,262	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	6,309	5,047	1,262	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	6,309	5,047	1,262	

PROGRAM IMPLEMENTATION

300

**301 GIS DEVELOPMENT AND IMPLEMENTATION
2015-2016**

Objective:

The Bismarck-Mandan Metropolitan Planning Organization (MPO) uses a MPO Geographic Information System (GIS) that provides access to a common digital geographic database for land use planning, zoning activities, traffic analysis, sewer/water projects and other related activities.

Present status:

Presently the following has been developed by GIS: MPO and Transportation Study information and data, Bismarck/Mandan Bike Trail, MPO TIP project and development maps, digital aerial photographs and aerial contours, and underground utility locations.

Proposed Work:

To continue to provide valuable map data and imagery concerning MPO projects in conjunction with all the partner entities. To assist MPO in census, transit, roadway, and bridge imagery, and other projects as needed.

Product:

Geographic Information System (GIS) for Bismarck-Mandan Area MPO. The products generated by GIS usage benefit the MPO a great deal.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
GIS Production	\$20,000	\$10,680
 TOTAL	 20,000	 10,680

Proposed Source of Funds:

FHWA/FTA (80%)	16,000	8,544
Local (20%)	4,000	2,136
 TOTAL	 20,000	 10,680

300.301.00

GIS PROGRAM
(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	20,000	16,000	4,000	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	20,000	16,000	4,000	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	10,680	8,544	2,136	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	10,680	8,544	2,136	

**302 CITIZEN PARTICIPATION PROGRAM
2015-2016**

Objective:

To establish procedures that provide for citizen input into the planning process as part of the development of the following: the MPO's Long Range Transportation Plan, the UPWP, the TIP and the DBE Program. The MPO will use this process to identify community issues regarding transportation planning and will consider these issues when developing programs within the MPO's planning area.

Present Status:

As stipulated in MAP-21, the UPWP, the DBE Program, the Public Participation Plan (PPP), the Long Range Transportation Plan and the TIP also receive public review at various levels during the development and update processes by the MPO.

Proposed Work:

To provide a citizen input forum for the MPO operational functional tools of TIP, UPWP, DBE Program, and the Long Range Transportation Plan, and applicable transportation studies as prescribed by MAP-21, as well as an evaluation and update of the existing Public Participation Plan.

Product:

Ongoing program.

Estimated Expenditures:

	<u>2015</u>	<u>2016</u>
Advertising	6,000	6,000
Evaluation and Update of Public Participation Plan	318	0
TOTAL	6,318	6,000

Proposed Source of Funds:

FHWA/FTA (80%)	5,054	4,800
Local (20%)	1,264	1,200
TOTAL	6,318	6,000

300.302.00

CITIZEN PARTICIPATION
(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	6,318	5,054	1,264	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTALS	6,318	5,054	1,264	

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	6,000	4,800	1,200	
Bismarck/Engineering	0	0	0	
Mandan	0	0	0	
Morton County	0	0	0	
Burleigh County	0	0	0	
Lincoln	0	0	0	
Other	0	0	0	
TOTAL	6,000	4,800	1,200	

COST SUMMARIES APPENDIX

FY'S 2015-2016

**Unified Planning Work Program
Staff Allocation of Hours by Task
2015**

	PT Time Planner	Planner	Sr. Planner	Office Assistant
101: General Administration, Coordination and Liaison	840	1635	1675	1930
102: Training, Travel, and Education	0	0	0	0
103: UPWP	0	0	0	0
104: Computer Enhancement and Software	0	0	0	0
105: Transit System Administration and Liaison	40	100	120	60
201: Pavement Management	0	0	0	0
202: Sign, Sidewalk, Signal & Curb Data Collection, Inventory and Updating	0	0	0	0
203: Socio-economic Projections- Monitoring and Forecasting	80	100	40	60
204: MPO and/or Local Planning Studies	0	0	0	0
205: Transportation Improvement Program	0	80	80	20
206: Transit Studies	0	0	0	0
207: Transportation Analysis and Monitoring	40	80	80	0
208: Performance Measures	40	80	80	10
301: GIS Program	0	0	0	0
302: Citizen Participation	0	5	5	0
TOTAL	1040	2080	2080	2080

**Unified Planning Work Program
Staff Allocation of Hours by Task
2016**

	PT Time Planner	Planner	Sr. Planner	Office Assistant
101: General Administration, Coordination and Liaison	840	1580	1600	1910
102: Training, Travel, and Education	0	0	0	0
103: UPWP	0	60	80	20
104: Computer Enhancement and Software	0	0	0	0
105: Transit System Administration and Liaison	40	100	120	60
201: Pavement Management	0	0	0	0
202: Sign, Sidewalk, Signal & Curb Data Collection, Inventory and Updating	0	0	0	0
203: Socio-economic Projections- Monitoring and Forecasting	80	100	40	60
204: MPO and/or Local Planning Studies	0	0	0	0
205: Transportation Improvement Program	0	80	80	20
206: Transit Studies	0	0	0	0
207: Transportation Analysis and Monitoring	40	80	80	0
208: Performance Measures	40	80	80	10
301: GIS Program	0	0	0	0
302: Citizen Participation	0	0	0	0
TOTAL	1040	2080	2080	2080

2015 - 2016 UNIFIED PLANNING WORK PROGRAM SUMMARY BY TASK
 (All Amounts in Dollars \$)

TASK	FUNDING YEAR 2015			FUNDING YEAR 2016		
	Total	Federal	Local	Total	Federal	Local
101	215,824	172,659	43,165	223,094	178,475	44,619
102	16,500	13,200	3,300	16,500	13,200	3,300
103	-	-	-	4,991	3,993	998
104	5,300	4,240	1,060	5,300	4,240	1,060
105	9,436	7,549	1,887	9,436	7,549	1,887
201	58,000	46,400	11,600	58,000	46,400	11,600
202	42,000	33,600	8,400	42,000	33,600	8,400
203	7,476	5,981	1,495	7,476	5,981	1,495
204	910,000	728,000	182,000	981,000	784,800	196,200
205	5,512	4,410	1,102	5,512	4,410	1,102
206	-	-	-	155,000	124,000	31,000
207	9,537	7,630	1,907	9,537	7,630	1,907
208	6,309	5,047	1,262	6,309	5,047	1,262
301	20,000	16,000	4,000	10,680	8,544	2,136
302	6,318	5,054	1,264	6,000	4,800	1,200
Total	1,312,212	1,049,770	262,442	1,540,835	1,232,668	308,167

2015-2016 Unified Planning Work Program Summary By Jurisdiction

(All Amounts in Dollars \$)

YEAR 2015

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	689,412	551,530	137,882	
Bismarck/Engineering	90,000	72,000	18,000	
Mandan	202,400	161,920	40,480	
Morton County	8,425	6,740	1,685	
Burleigh County	280,550	224,440	56,110	
Lincoln	8,425	6,740	1,685	
Other	33,000	26,400	6,600	
TOTALS	1,312,212	1,049,770	262,442	

2015-2016 Unified Planning Work Program Summary By Jurisdiction

YEAR 2016

MPO ENTITY	TOTAL	FED 80%	LOCAL 20%	EXPLANATION
Bismarck/Planning	818,365	654,692	163,673	
Bismarck/Engineering	90,000	72,000	18,000	
Mandan	260,970	208,776	52,194	
Morton County	69,830	55,864	13,966	
Burleigh County	94,925	75,940	18,985	
Lincoln	4,745	3,796	949	
Other	202,000	161,600	40,400	
TOTALS	1,540,835	1,232,668	308,167	