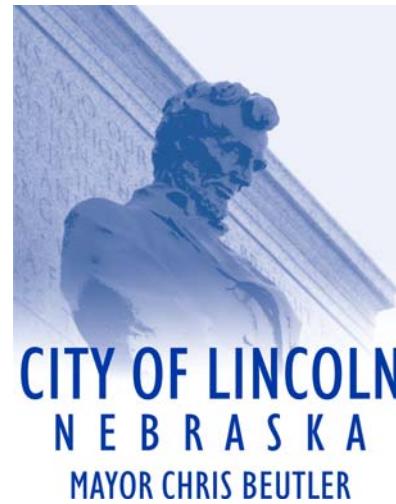


# **Fiscal Year 2009-10**

## **Unified Planning Work Program**

**(July 1, 2009 - June 30, 2010)**

**MPO Officials Committee**  
**June 23, 2009**



### **Lincoln**

## **Metropolitan Planning Organization**

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County-City Building  
555 South 10<sup>th</sup> Street - Suite 213  
Lincoln, Nebraska 68508  
(402) 441-7491



**UNIFIED PLANNING WORK PROGRAM**  
**(PL-059-47)**

**Lincoln Metropolitan Planning Organization**

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**Fiscal Year 2009-10**  
**(July 1, 2009 - June 30, 2010)**

*Submitted by*  
**Lincoln-Lancaster Planning Department**  
for the Lincoln Metropolitan Planning Organization  
555 South 10<sup>th</sup> Street  
Lincoln, Nebraska 68508

Technical Committee Approval

*June 4, 2009*

Officials Committee Approval

*June 23, 2009*

Metropolitan Planning Organization Endorsement

*June 23, 2009*

**June 2009**

### **Required Credit / Disclaimer Statement**

*"The preparation of this report has been financed in part through grants from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under the Metropolitan Planning Program, Section 104(f) of Title 23, U.S. Code. The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation."*

**Lincoln Metropolitan Planning Organization**  
**UNIFIED PLANNING WORK PROGRAM**  
**Fiscal Year 2009-10**

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**Lincoln Metropolitan Planning Organization**  
**UNIFIED PLANNING WORK PROGRAM**  
**Fiscal Year 2009-10**

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The Unified Planning Work Program (UPWP) defines the transportation planning activities and products to be developed by the Metropolitan Planning Organization (MPO) and other transportation planning agencies. This is a short term planning tool used to define specific annual goals and projects to be performed or managed by participating agencies or MPO staff. Most planning activities outlined in the UPWP are required by state and federal laws in order to support the MPO process. The UPWP is the basis for allocating federal, state and local funds for transportation planning activities within Lancaster County covering the period from July 1, 2009 to June 30, 2010.

**A. Introduction**

The City of Lincoln is the federally recognized Metropolitan Planning Organization (MPO) for the Lincoln Metropolitan Area serving Lincoln and Lancaster County to carry out transportation planning and decision-making for the Lincoln urbanized area and Lancaster County.

The 1962 Federal Aid Highway Act required states and local governments to conduct cooperative, comprehensive, and continuing (“3C”) transportation planning in order to receive federal funds for highway and transit improvements. Subsequently in 1973, an amendment to this act further required the governor of each state, with local concurrence, to designate a Metropolitan Planning Organization (MPO) for every urbanized area to coordinate area wide transportation planning. On March 22, 1974, the Lincoln MPO was established to guide transportation planning process in the Lincoln urbanized area as well as the coordination of transportation planning activities with transportation-related agencies within Lancaster County. The current “Memorandum of Understanding” between the City, County and State agreeing to cooperate in carrying out this task, was adopted on November 23, 1977.

The MPO provides a forum for cooperative decision-making among responsible state and local officials, public and private transit operators, and the general public. The MPO coordinates the planning activities of all transportation-related agencies and adopt long range plans to guide transportation investment decisions. The MPO is also responsible for capital programming through an annually-updated multi-year Transportation Improvement Program (TIP), which contains all federal and state funding for surface transportation projects and programs. Plans and programs are to consider all transportation modes and support community development and social goals.

Other key planning activities include promoting transportation improvements needed in the region and project development and ensuring the planning area's compliance with federal regulations affecting transportation decisions, such as the Clean Air Act Amendments of 1990 (CAAA). In meeting federal requirements, the MPO maintains the eligibility of members and transit operators for federal transportation funds for planning, capital improvements, and operations.

Each year, the Lincoln MPO prepares a Unified Planning Work Program (UPWP), in cooperation with other transportation agencies, to describe all metropolitan transportation and transportation-related air quality planning activities anticipated within the area during the year. It is an integrated document that includes the work of participating transportation-related agencies, consultants and work done directly by the MPO Staff. Since the UPWP essentially serves as the master regional transportation planning funding application, it emphasizes documentation of planning activities to be performed with funds provided to the MPO by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) and requires approval by both the FHWA and FTA.

## **B. Status of Federal Transportation Legislation**

The Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) was signed into law on August 10, 2005 and is the most recent authorization for surface transportation investment in the United States. This builds the two previous national transportation bills, the *Intermodal Surface Transportation Efficiency Act of 1991* (ISTEA) and the *Transportation Equity Act for the 21<sup>st</sup> Century* (TEA-21) which established a new agenda for maintaining and investing in the nation's transportation infrastructure. SAFETEA-LU carries forward many of the principles and accomplishments of previous legislation and builds on and refines many existing efforts. This legislation also introduces new measures to meet changing transportation needs and addresses the many challenges facing our transportation system. These challenges include concerns such as improving safety, reducing traffic congestion, improving efficiency in freight movement, increasing intermodal connectivity, and protecting the environment.

SAFETEA-LU promotes more efficient and effective Federal surface transportation programs by focusing on transportation issues of national significance, while giving State and local transportation decision makers more flexibility for solving transportation problems in their communities. The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) have provided on-going implementation guidance on a number of SAFETEA-LU planning provisions including changes to the planning, environment, and air quality requirements of the new law that are jointly administered by FHWA and FTA. On February 14, 2007, FHWA and the FTA issued a final notice of rulemaking on the statewide and metropolitan transportation planning and programming process to update the Code of Federal Regulations (Federal Register / Vol. 72, No. 30 / February 14, 2007 / Final Rule).

Effective July 1, 2007, all metropolitan and statewide transportation plans, transportation improvement programs (TIP), and statewide transportation improvement programs (STIP) must be consistent with all SAFETEA-LU planning provisions.

## **C. Purpose of the Unified Planning Work Program**

The Lincoln MPO, in cooperation with the City of Lincoln, Lancaster County, the State of Nebraska and operators of publicly owned transit is required(23 CFR 450.308(b)) to develop a planning work program that:

*(1) Discuss the planning priorities facing the metropolitan planning area and describe all metropolitan transportation and transportation-related air quality planning activities (including the corridor and subarea studies discussed in Sec. 450.308©) anticipated within the area during the next one or two year period, regardless of funding sources or agencies conducting activities, in sufficient detail to indicate who will perform the work, the schedule for completing it and the products that will be produced;*

*(2) Document planning activities to be performed with funds provided under Federal Highway Administration title 23, U.S.C., and the Federal Transit Act title 49, U.S.C.*

## **D. Federal Requirements**

SAFETEA-LU continues the provisions in TEA-21 and in the CAAA which supports transportation planning activities that maximize mobility and accessibility and protect the human and natural environments. This is achieved through a continuing, cooperative, and comprehensive transportation planning process that results in a long-range transportation plan that is implemented in a short range program of projects.

The five major components feed into the development of the long range plan and short range program.

**1. Public Involvement** - Significant emphasis is placed on broadening participation in transportation planning to include key stakeholders who have not traditionally been involved, including the business community, members of the public, community groups, and other governmental agencies. Effective public involvement will result in opportunities for the public to participate in the planning process.

**2. Metropolitan Planning Factors** - The metropolitan planning process must explicitly consider and analyze, as appropriate, eight planning factors defined in SAFETEA-LU that reflect sound planning principles.

- (1) Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity and efficiency;*
- (2) Increase the safety of transportation system for motorized and nonmotorized users;*
- (3) Increase the security of transportation system for motorized and nonmotorized users;*
- (4) Increase the accessibility and mobility options available to people and for freight;*
- (5) Protect and enhance the environment, promote energy conservation, and improve quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;*
- (6) Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;*
- (7) Promote efficient system management and operation; and*
- (8) Emphasize the preservation of the existing transportation system.*

**3. Congestion Management Process** - Federal regulations requires MPOs to establish and implement a process that provides for effective management and operation of the transportation system which addresses congestion within a metropolitan planning area serving a Transportation Management Area (TMA). The Congestion Management Process (CMP) is to be a systematic process that provides information on transportation system performance and is to serve as a practical tool for the transportation planning staff and decision-makers in identifying and implementing strategies that enhance the mobility of people and goods in the metropolitan area.

**4. Air Quality Conformity Process** - One of the most dramatic examples of how transportation planning changed under ISTEA was the linkage with the transportation conformity requirements of the CAAA. The essence of transportation conformity is that, in areas failing to meet federal standards for air quality, transportation plans and programs are required to be in conformance with the transportation provisions of the state's air quality plan (the State Implementation Plan or SIP), which demonstrates how the state will meet the standards. This requirement places severe restrictions on the prioritization and implementation of transportation improvement projects.

**5. Financial Plan** - Finally, SAFETEA-LU strengthens the provisions in the TEA-21/ISTEA requirement that financial planning needs to be fully integrated into the transportation plan and program development process. This requirement is to encourage good financial planning and to prevent transportation plans and programs from becoming "wish-lists" of projects with no realistic chance of implementation. SAFETEA-LU does, however, allow the inclusion of an "illustrative" listing in the long range plan of potential projects that could be implemented should additional funding become available.

## E. Metropolitan Planning Program

The Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) was signed into law on August 10, 2005 which authorizes the Federal surface transportation programs for highways, highway safety, and transit for the 5-year period 2005-2009.

Each State develops an allocation formula for the combined apportionment to distribute PL Funds to MPOs representing urbanized areas within the State. There are three MPOs located within the state of Nebraska (Omaha, Lincoln, South Sioux City). The distribution formula for FY 2009, agreed to by the MPOs, subtracts \$30,000 from the total (\$10,000 going to each MPO) and then splits the balance based upon Census 2000 populations.

The following is the distribution of PL Funds to MPOs in Nebraska based upon the distribution formula for FY and Census 2000 defined Urban Area population.

MAPA (562,701)	Lincoln (226,582)	SIMPCO (15,828)	Total
\$998,133	\$407,855	\$37,853	\$1,443,841

## F. Transportation Management Area

In accordance with federal guidelines (49 U.S.C. 5305), all 2000 Census defined urbanized areas having a population of at least 200,000 have been designated as a Transportation Management Area (TMA). The 2000 Census has identified the Lincoln Urban Area as having a population of 225,581 and accordingly, the Secretary of Transportation designated the Lincoln MPO as a TMA. The formal TMA designations were made by the Federal Transit Administration (FTA) and Federal Highway Administration (FHWA) in the Federal Register, July 8, 2002 (Volume 67, Number 130), Notices on the Designation of Transportation Management Areas and Federal Register October 4, 2002 (Volume 67, Number 193), Supplementary Notice on the Designation of Transportation Management Areas. This classification qualifies the Lincoln MPO for specific shares of federal SAFETEA-LU funds but along with this, it establishes additional administrative and planning requirements in the transportation planning process. These additional planning activities relate primarily to the development of a congestion management system, project selection, public involvement and the MPO certification process.

## G. MPO Study Area

The Lincoln MPO planning area consists of the Lincoln metropolitan area and Lancaster County with the county being the designated planning district. Lancaster County contains approximately 839 square miles of land, and according to Census 2000 had a population of 250,291. The City of Lincoln is located at the geographical center of the county and currently covers approximately 79.55 square miles of land with a population of 225,581 in 2000. The population of the city of Lincoln made up approximately 90 percent of the population of Lancaster County. There are eleven other incorporated communities containing approximately 2.6 percent of the population and one second-class city in Lancaster County. The largest of these is Waverly, the second-class city, with a 2000 population of 2,448. The other villages and cities ranged in population between 146 and 1,084. There also are nine unincorporated communities in the county.

## H. Lincoln MPO Structure

The Lincoln Metropolitan Planning Organization (MPO) is a policy-making body comprised of representatives from local government and transportation authorities that review transportation issues and develop transportation plans and programs for the metropolitan area. This organization is a forum for

cooperative decision making and provides for the involvement of principal elected officials of general purpose local government. Although these individuals come to the table with multiple, and sometimes conflicting perspectives, they work together to establish local and regional priorities for the transportation improvements that are eligible for state and federal funding.

The City of Lincoln fulfills the role as the MPO for Lincoln and Lancaster County as designated by the Governor of Nebraska and is the sole recipient of federal transportation planning funds. The MPO, represented by the Mayor of the City of Lincoln, is responsible for conducting the urban transportation planning process pursuant to federal requirements and is responsible for assigning work as necessary to carry out this process. There are five primary participant groups in the MPO planning and decision-making process. These include: 1) the Officials Committee, 2) the Technical Advisory Committee, 3) Lincoln-Lancaster Planning Commission, 4) various Citizen Task Forces and Advisory Committees, and 5) the MPO staff. Each group plays a specific role in the process.

### **Officials Committee**

The Lincoln MPO Officials Committee membership consists of elected officials representing the City of Lincoln, Lancaster County and the State of Nebraska. The Committee is comprised of five voting members and three non-voting members. The voting members review and act upon transportation related programs and studies recommended by the city, county and state and reviewed by the MPO Technical Committee in the implementation of the transportation plan. Reviews the recommendations of the Officials Committee are for compliance with the established planning process and the policies of the general purpose governments and agencies which they represent. The non-voting members represent the federal transportation agencies for the region and provide policy guidance to the Committee.

### **Technical Advisory Committee**

The Lincoln MPO established a Technical Advisory Committee to investigate specific transportation related topics in greater detail than what is typically accomplished at Officials Committee meetings. The Committee is made up of representatives of various professional transportation and related planning disciplines which serve in review capacity to consider the effects of transportation plans and programs on social, economic, and environmental factors in conformance to appropriate federal regulations.

The Technical Advisory Committee generally will serve as the administrative and technical staff to carry out and implement the transportation plan and to propose, develop or review transportation related programs, studies and proposals for the Lincoln Metropolitan Area. The Committee conducts the work necessary to implement the recommended transportation plan and makes recommendations on proposed amendments to the transportation plan. Short-term planning documents developed and reviewed by the Technical Advisory Committee include the Unified Planning Work Program, Transportation Improvement Program, Annual Transportation Reports among other implementation documents. The Technical Committee makes recommendations to the Officials Committee on programs, studies and proposals.

### **Lincoln City-Lancaster County Planning Commission**

The Lincoln City-Lancaster Planning Commission is comprised of nine members who are appointed by the Mayor, and confirmed by the City Council and the County Board. Members of the Planning Commission represent the community at large and in its capacity as the MPO Citizens' Advisory Committee. The Planning Commission holds two public meetings each month on a

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regular basis; however, special meetings may be called at the discretion. The Commission considers proposed transportation plans and related programs in relation to community goals, reviews the recommendations of other review groups, and modifies or recommends future land use and transportation plans and related programs for both the City Council and County Board before forwarding these to the MPO Officials Committee.

### **Citizens Task Forces and Advisory Committees**

To assist in the decision-making process, the MPO Committee members rely upon other committees and task forces as well as active participation from interested citizens. Input is sought from concerned business representatives, special action groups and other voices in the community. Plans and projects are subject to extensive public participation during the key decision phases in plan development. Community activities include open houses, public informational meetings or partnering sessions.

### **MPO Staff**

The City of Lincoln provides primary support staff for the Lincoln MPO and the Officials Committee and Technical Committee in carrying out the transportation planning process. Among other things, these activities include providing technical expertise in the development of transportation plans and programs, promoting public involvement in the decision making process and supporting local communities in their general planning efforts. Program management for the Lincoln MPO is located in the Lincoln-Lancaster Planning Department. Other key planning staff in city departments and other agencies which have significant rolls in providing their expertise in providing support and guidance in the planning process. These include the Lincoln Public Works & Utilities Department (including StarTran), Lincoln Urban Development, Lincoln Parks & Recreational Department, Lincoln-Lancaster Health Department, Lincoln Airport Authority, and the Lancaster County Engineering. The State of Nebraska provides support for the Lincoln MPO through its Planning & Project Development Division and its participation in the Technical and Officials Committees. FHWA and FTA for the region provide policy guidance as needed in the administration of the MPO.

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## I. Planning Issues and Emphasis

Significant transportation issues face the Lincoln-Lancaster Planning area. Among the key issues being addressed during the planning period include:

### ✓ **Transportation Funding Issues**

Highway, street, transit and alternative forms of transportation project funding issues continues to be and major concern for the nation, state, county and city governments, including the City of Lincoln. Needed transportation construction projects have been slowed down or put off and critical system maintenance has been delayed. As a result, more transportation planning activity is focused on developing ways to maintain the existing transportation system and to prioritize capital improvement projects that support the demands for transportation and the continuing growth within the community.

### ✓ **Transportation Improvement Program - Project Selection Criteria**

Project Selection Criteria are needed to facilitate project selection in the annual development of the Transportation Improvement Program (TIP). Incorporating specific policies and guidelines into the Transportation Plan will aid project ranking and prioritization and provide a means to move projects from the Plan into the TIP. The intent is to develop an accountable and transparent project selection process based upon credible data inputs balanced between all modes of travel.

### ✓ **Congestion Management and System Operational Issues**

Adoption of a formal Congestion Management Process (CMP) will supply the tools and evaluation techniques required for all Transportation Management Areas. The CMP will provide guidance for effectively allocating human, capital, and financial resources in order to reduce roadway travel-time delays, improve air quality, and conserve energy. The result will be improvements important to the region's environment, economy, and quality of life and directly benefit automobile and transit vehicle users as well as truck and freight operators, bicycles and pedestrians. The development and coordination of the CMP is an important element of the Lincoln MPO planning process. It will guide project recommendations for the TIP and policies for the congestion management element of the Transportation Plan.

### ✓ **Access Management Analysis**

Develop an access management plan to provide standard guidelines for roadway projects and new developments. Access management promotes safety and increased vehicular mobility on arterial streets and highways by focusing ingress and egress between property and roads. This will need to focus on system analysis and the development of general policies and strategies to enable an access management plan to be implemented.

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✓ **Public Participation Plan**

The goal of the Public Participation Plan (PPP) is to effectively involve citizens, affected public agencies, providers of freight transportation service, private providers of transportation, users of public transportation, users of pedestrian and bicycle transportation facilities, the disabled community, and other interested parties in the metropolitan transportation planning process. The transportation planning process seeks public involvement when developing or modifying the Metropolitan Transportation Plan, Transportation Improvement Program (TIP), the Unified Planning Work Program (UPWP), and when preparing Alternative Access Studies, Location Studies, or Major Investment Studies. The Lincoln MPO is to update and adopt the proactive public involvement process that provides complete information; timely public notice; full public access to key decisions, and supports early and continuing involvement for the public.

✓ **Comprehensive Plan and Long Range Transportation Plan Update**

The Long Range Transportation Plan (LRTP) is derived in part from land use and development projections. The land use planning process for the Lincoln and Lancaster County area identifies shifts in land use types, levels of development, and patterns of growth and is critical in identifying developing issues and in preparing future land use and transportation plans. This provides the foundation for projecting future directions in the overall Comprehensive Planning process and future land use policy which becomes the basis for assessing future transportation needs and possible facility improvements.

✓ **Travel Demand Model Update**

To ensure consistency and credibility of travel model applications for the Lincoln Transportation Plan update, Travel Demand Model input assumptions, methodologies, and processes used in the model need to be updated and validated. The base system data are to be collected, compiled and evaluated for input into the travel modeling system. The goal is to provide an integrated land use/transportation model with a multi-modal modeling framework for future land uses and travel conditions. This activity will include training of staff in the necessary tools to provide credible projections that support transportation planning and traffic engineering efforts.

✓ **Goods and Freight Movement Planning**

Goods and Freight Movement Planning activities will continue to gather information, analyze commodity movements and solicit input from the freight hauling community for use in developing planning and infrastructure investment strategies. Planning strategies include coordinating with the Nebraska Department of Roads in examining freight issues and the programming of projects, continuing the process of promoting a dialogue with the freight industry and incorporating feasible concepts and projects in the Transportation Improvement Program.





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## **CONTINUING TRANSPORTATION PLANNING PROCESS**

### **TRANSPORTATION PLANNING WORK PROGRAM**

#### **OBJECTIVE**

The Transportation Plan for Lincoln and Lancaster County is to guide decisions that will support the overall objectives of the *Lincoln City-Lancaster County Comprehensive Plan* by allowing Lincoln and Lancaster County's transportation system to move people and goods around the community in a safe, efficient and convenient way. The current *Transportation Plan* identifies transportation needs to the year 2030 for the City of Lincoln and Lancaster County.

The overall objectives identified in the Transportation Plan include:

- ❖ *Developing a balanced transportation system that meets the mobility needs of the community and supports Lincoln and Lancaster County's land use projections and plan.*
- ❖ *Using the existing transportation system to its best advantage.*
- ❖ *Creating a sustainable transportation network that minimizes energy consumption and environmental pollution.*
- ❖ *Increasing the use of alternate means of transportation, including public transportation, bicycle transit, and pedestrian movement, by improving and expanding facilities and services and encouraging compact, "walkable" land use patterns and project designs.*
- ❖ *Continuing Lincoln's street and trails network into newly developing areas.*
- ❖ *Designing a street and road improvement program that is both physically attractive and sensitive to the environments of urban neighborhoods.*
- ❖ *Maximizing the safe and efficient movement of railroad traffic, while minimizing street conflicts and reducing the creation of barriers created by rail corridors.*
- ❖ *Enhancing aviation facilities while minimizing their effect on surrounding land uses.*

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#### **PREVIOUS WORK AND CONTINUING WORK METHODOLOGY**

This section describes transportation planning activities which are expected to be completed prior to July and activities that are expected to be conducted during FY 2009-2010. The general guidelines for these activities is included in the *MPO Prospectus for Continuing Transportation Planning in the Lincoln Metropolitan Area*. Following the text in this section is a table that shows the agency or agencies responsible for each activity and the estimated planning costs.

## **I. ADMINISTRATION AND MANAGEMENT ACTIVITIES – 6100**

### **A. General Program Administration and Coordination (6110)**

#### Objective:

Administration and management of the transportation planning, programming, and implementation tasks to ensure the compliance with administrative, financial, and legal requirements for maintaining the comprehensive, coordinated, and continuing (3C) transportation planning process for the Lincoln Metropolitan Planning Organization (MPO). This includes coordination of MPO transportation planning activities with the Nebraska Department of Roads (NDOR), the Federal Highway Administration, Federal Transit Administration, and participating agencies in the metropolitan transportation planning process. This includes taking actions to enhance the technical capacity of the planning process and to insure a proactive public involvement process that provides full public access to key decisions in developing both short and long range plans and programs

#### Previous Work:

Program administration and management is a continuing work activity that includes the following key activities.

- Staff support to Lincoln MPO Officials Committee, Technical Advisory Committee, and special committee meetings or public outreach activities including developing notices, agendas, and minutes as needed.
- Reviewed and certified the transportation planning process.
- Reviewed federal/state policies and guidance regarding metropolitan transportation planning and incorporated changes as necessary.
- Monitored federal/state transportation funding initiatives and activities.
- Prepared the FY 2009 Unified Planning Work Program and submitted PL Fund invoices.
- Maintained records and provided reports to funding agencies on the status of transportation planning activities.
- Maintained maps of street and highway functional classification and urban area boundaries.
- Began reviewing and updating the MPO operating procedures and public participation plan.
- Began reviewing and updating as needed the interlocal agreements and memorandum of understanding in light of obtaining TMA status.
- Initiated a process to involve the freight community in the transportation planning process.

#### Products:

The MPO will maintain a transportation planning program and perform administrative activities necessary to ensure compliance with administrative, financial, and legal requirements for maintaining the transportation planning process and retain eligibility for federal and state funding for transportation planning and projects in the Lincoln Metropolitan Area.

The Lincoln MPO staff will manage the implementation of tasks in this work program and administrative activities that will include:

- A. Preparation and review of transportation planning reports, contracts, quarterly progress reports and invoices for PL Funds, prepare meeting agenda's, and record meeting minutes.
- B. Provide staff support to Lincoln MPO Officials Committee, Technical Advisory Committee, and special committee meetings or public outreach activities and develop notices, agendas, and minutes as needed.
- C. Prepare and maintain the FY 2010 Unified Planning Work Program.
- D. Work jointly with the City of Lincoln, Lancaster County and the State of Nebraska to prepare contractual agreements as required, attend all study meetings, distribute special and annual

reports and study documents, review and analyze individual transportation planning projects and studies, and undertake general administrative activities.

- E. Comply with federal and state MPO certification requirements and review federal/state policies and guidance regarding metropolitan transportation planning and incorporate changes as necessary.
- F. Review and certify the transportation planning process.
- G. Update and maintain maps of street and highway functional classification within Lancaster County and the urban area boundary.
- H. Continue the evaluation on the effectiveness of the MPO's outreach efforts.
- I. Continue the evaluation on the effectiveness of the MPO's Environmental Justice (EJ) efforts. This is to include a survey of low-income and minority communities in the metropolitan area.
- J. Continue efforts to involve the freight community in the transportation planning process.

Funding Summary:

Combined PL Fund, FTA and Local Funding

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Preparation of transportation planning reports	On-going Activity
B. Provide staff support to Lincoln MPO Committees	On-going Activity
C. Prepare and maintain the Unified Planning Work Program	June 2010
D. Work with City of Lincoln, Lancaster County and State of Nebraska	On-going Activity
E. Comply with federal and state MPO certification requirements	On-going Activity
F. Review and certify the transportation planning process	On-going Activity
G. Maintain National Functional Classification and Urban Area Maps	On-going Activity
H. Continue the evaluation of the MPO's outreach efforts	On-going Activity
I. Continue the evaluation of the MPO's E.J. efforts	On-going Activity
J. Continue coordination efforts with the freight community	On-going Activity

**B. Certification of Transportation Planning Process (6120)**

Objective:

A self-review and evaluation of the transportation planning process for the Lincoln metropolitan area is conducted each year assessing its compliance with applicable federal metropolitan planning laws and regulations. A report is prepared, reviewed and acted upon by the Technical and Officials Committees regarding this compliance evaluation on the transportation planning process .

Previous Work:

A self-review of the Transportation Planning Process was conducted in and a report was accepted by the Technical and Officials Committees regarding *Certification that the Transportation Planning Process Complies with Applicable Federal Laws and Regulations*. The MPO endorsed the compliance evaluation report and certified that the Planning Process for the Lincoln metropolitan area in meeting the requirements of 23 CFR 450.334(a), as published February 14, 2007 in a final notice of rulemaking on the statewide and metropolitan transportation planning and programming process (Federal Register / Vol. 72, No. 30 / February 14, 2007 / Final Rule).

**MPO Certification Review.** Federal regulations require that transportation planning process within each Metropolitan Planning Organization(MPO), Transportation Management Area (TMA), be evaluated by federal representatives every four years, 23 CRF, Section 450.334(b) Metropolitan Planning Process. The Lincoln MPO underwent a TMA Certification Review over a two day period, May 5th and 6th, 2009 which included all participating agencies. The draft report on the findings of this federal review are pending.

Products:

- A. The MPO staff will develop a report and work plan, as necessary, based upon the findings of the FHWA/FTA MPO Certification Review to ensure the Lincoln transportation planning process meets applicable federal laws and regulations.
- B. An annual report is also prepared each year based upon a self-review and evaluation process addressing the conformance of the Lincoln urban transportation planning process as it meets applicable federal laws and regulations. A report addressing Certification of the transportation planning process will be prepared and acted upon in conjunction with review of the Transportation Improvement Program.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%:

Schedule of Products	Completion Dates
A. Report on and develop a work plan to implement the findings of the FHWA/FTA MPO Certification Review	September 2009
B. Annual self-certification review and evaluation report	June 2010

**C. Unified Planning Work Program (6130)**

Objective:

The Unified Planning Work Program (UPWP) identifies work activities and budgets for both the urban transportation planning program (FHWA/State PL funds) and the transit planning program (FTA Section 5303 and 5307 funds). This describes transportation planning activities to be carried out by the MPO, member agencies, or consultants and alerts organizations of planning activities.

MPO Prospectus Update: Continue evaluating and updating the MPO’s Prospectus. The Prospectus, in combination with the UPWP, will provide an overview of the functional responsibilities of the transportation planning activities planning process and MPO organizational information.

Previous Work:

- Completed the FY 2009-10 UPWP which is expected to be acted upon by the end of June.
- Ongoing work includes completing Quarterly Reports.
- Preliminary work on updating the MPO Prospectus.

Methodology:

- Identify transportation planning priorities and address federal and state planning emphasis areas.
- Coordinate with other transportation planning agencies in the metropolitan area and provide opportunities for input in the development of the UPWP.
- Develop draft and final versions of the UPWP for State and Federal review.
- Certify compliance with state and federal regulations regarding expenditure of funds for transportation planning.
- Prepare reports and amendments as necessary.

Products:

- A. Amendments to the FY 2009-10 UPWP as necessary maintain an effective work program and budget for the Lincoln MPO transportation planning program.
- B. A UPWP will be developed for FY 2010-11 to identify the primary work programs and budgets for the Lincoln MPO urban transportation planning program (FHWA/State PL funds) and the transit planning program (FTA Section 5303 and 5307 funds).
- C. MPO Prospectus update will review the MPO organization and functional responsibilities of planning activities. Products may include development of documents, reports, legal review of agreements and actions by MPO Committees.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Maintain the FY 2009-10 UPWP	On-going activity
B. Develop UPWP for FY 2010-11	July 2010
C. Draft MPO Prospectus in reviewv6	January 2010

## D. PL Fund Grant Administration (6140)

### Objective:

This includes the review and execution of the PL Fund grant contract, preparation of activity reports, quarterly reimbursement requests and audits, and the staff time management system. Activity includes staff time associated with the management of the PL Fund grant.

### Previous Work:

- On-going tracking and management of PL Fund grant activity.
- Internal annual program audits were completed.

### Methodology:

- Allocate PL Fund grant budget to meet study and overhead demands.
- Ongoing work includes completing Quarterly Reports to NDOR.
- Develop special requests and reports on planning activity.

### Products:

- A. Management of the PL Fund grant,
- B. Execution of the PL Fund grant contract,
- C. Preparation of activity reports, program tracking, reimbursement requests,
- D. Annual City program audit.

### Funding Summary:

Combination of Local and Federal PL Funds

### Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Management of the PL Fund grant	On-going activity
B. Execution of the PL Fund grant contract	June 2010
C. Preparation of activity reports and reimbursement requests	Quarterly
D. Annual City program audit	September - October 2009

**E. Professional Development, Education and Training (6150)**

Objective:

This activity is intended to keep the staff knowledgeable about federal and state regulations, the latest transportation planning technologies, and the best practices and activities of other MPO's. Staff capabilities will be enhanced by attending selected conferences, seminars, training workshops and courses in local universities. With the passage of the Highway Reauthorization Act, changes to planning emphasis areas and regulations have resulted and it is important for staff to be informed and educated in order for staff to develop and maintain a responsive transportation planning program.

Methodology:

- Participate in conferences, seminars, training workshops, and meetings to keep acquainted with the latest regulations and techniques in the transportation planning field.
- Develop training activities such as supporting training workshops and educational activities for planning and engineering staff and Planning Commission members or Committee members.

Products:

The Lincoln MPO staff will participate in conferences, seminars, training workshops, and meetings to keep acquainted with the latest regulations and techniques in the transportation planning field or to develop general capabilities. Professional development activities may include the exploration the following activities:

- A. Continued training in the program development and in the application of TransCAD transportation modeling software.
- B. Other professional development possibilities include attending workshops and conferences sponsored by NDOR, FTA, FHWA, American Planning Association (APA), ITE, TRB, AMPO, ITS America and educational institutions.

Funding Summary:

The direct charges include registration fees, travel, lodging and related expenses to attend these conferences, seminars, training workshops, and meetings that are for approved professional transportation planning activities.

Costs are to be reimbursed with a combination of Local and Federal PL Funds.

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. TransCAD travel model training	October 2009
B. Other professional training opportunities	Not Available

## II. INTERAGENCY AND PUBLIC OUTREACH ACTIVITIES – 6200

### A. Transportation Planning-Related Committees (6210)

Objective:

To facilitate the decision-making process for transportation planning with key policy-making bodies that are comprised of representatives from local government and transportation authorities. These bodies consider transportation issues and develop plans and programs for the metropolitan area.

Officials Committee

The Lincoln MPO Officials Committee membership consists of elected officials representing the City of Lincoln, Lancaster County and the State of Nebraska. The Officials Committee acts upon transportation programs and studies and reviews the MPO Technical Committee’s actions.

Technical Committee and Technical Committee Subcommittees

The Technical Advisory Committee serves to review the effects of transportation plans and programs in conformance to appropriate federal regulations. This committee serves as the administrative and technical staff to implement the transportation plan and makes recommendations to the Officials Committee on proposed on programs, studies and plans.

Lincoln-Lancaster Planning Commission

The Lincoln-Lancaster Planning Commission holds public reviews and considers proposed land use and transportation plans, and related programs in relation to community goals and forwards recommendations to the MPO Officials Committee.

Citizen Task Forces and Advisory Committees

Key citizen advisory committees include the Pedestrian and Bicycle Advisory Committee, Neighborhood Round Table, Community Services Initiatives, as well as other project specific advisory committees and task forces.

Methodology:

- Staffing Committee and Task Force meetings.
- Develop and produce agendas, planning documents, and reports for Committee review.
- Production and mailing of materials and meeting minutes

Products:

- A. Staffing of committees, citizen task forces and citizen advisory committees or groups used in the MPO planning and decision-making process.
- B. Work products include the production and mailing of materials to committees, development of planning documents, reports, and meeting minutes.

Funding Summary:

Combination of Local and Federal PL Funds.

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Committee Staffing and Support	On-going activity
B. Development of planning documents and reports	On-going activity

**B. Public Participation Program (6220)**

Objective:

Provide support for early and continuing public involvement in the development of plans and programs. Consult the public through an open process including regular public meetings of the board and advisory committee meetings.

Public Participation Plan

MPO staff is to continue evaluating the Public Participation Process and Plan in order to more efficiently secure public input for the metropolitan transportation planning process. This involves evaluating and updating the MPO's Public Participation Plan to meet federal regulations and allow interested parties to comment on transportation plans, programs, and other planning documents.

Previous Work:

- A public participation survey was undertaken in 2008 to evaluate the effectiveness of public involvement activities within the Lincoln Transportation Planning Process.
- The public participation survey specifically included community leaders within the low-income and minority community
- Consult with local and regional officials on developing transportation plans and programs.
- Continue the telephone "hotline" announcing meeting dates and locations.
- MPO staff began the process of evaluating the Public Participation Process and Plan in relation to the public participation survey

Methodology:

- Organize meetings, prepare agenda materials, and complete information packets as needed.
- Provide public notice and public access to key decisions, place legal ads and required notice.
- Continue the telephone "hotline" announcing meeting dates and locations.
- Update mailing lists and post meeting agenda and materials on the MPO's website.

Products:

- A. Draft Public Participation Plan updated and submitted for public review.
- B. Update mailing lists, web page and communication tools as needed
- C. Preparation of activity Newsletters and reports

Funding Source:

Combined Local and PL Funding.

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Draft Public Participation Plan	January 2010
B. Update mailing lists, web page and communication tools	On-going activity
C. Preparation of activity Newsletters and reports	On-going activity

**C. Environmental Justice Strategies (6230)  
 - Implementing Title VI Requirements -**

Objective:

To enhance the Lincoln MPO Public Participation Process to better reach out to lower income and minority individuals, organizations, and neighborhoods throughout the City of Lincoln and Lancaster County planning area. This is to ensure that Title VI of the Civil Rights Act of 1964 is implemented and that all residents in the City of Lincoln and Lancaster County are represented fairly and not discriminated against in the transportation planning process.

Previous Work:

- Geographic Information Data for Title VI Civil Rights was evaluated and analyzed.
- An Environmental Justice Action Strategy for Long Range Transportation Planning and the Comprehensive Plan Process was developed and employed in 2001.
- Environmental Justice standards incorporated as part of on-going transportation planning process
- Actions are to ensure compliance with Environmental Justice standards include:
  - (1) community workshops targeted specifically to groups encompassed by these regulations;
  - (2) the use of language translators at these and other community workshop events;
  - (3) creation of translated materials announcing events and selected planning documents;
  - (4) call-in comment phone lines utilizing various non-English language introductions;
  - (5) representatives of these constituent groups on committees and task forces; and
  - (6) a specialized community-wide survey targeted to these groups.
- A public participation survey was undertaken in 2008 to evaluate the effectiveness of public involvement activities within the Lincoln transportation planning process which specifically included community leaders within the low-income and minority community.

Products:

- A. Update Environmental Justice Action Strategy as needed.
- B. Preparation of activity Newsletters and reports.
- C. Evaluation of Environmental Justice activities and the effectiveness of the public outreach methods in meeting Title VI Civil Rights performance measures..

Funding Source:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Update Environmental Justice Action Strategy	January 2010
B. Preparation of activity Newsletters and reports	January 2010
C. Evaluation of Environmental Justice activities and effectiveness	On-going activity

## D. Transportation Reports and Newsletters (6240)

### Objective:

To provide the decision makers and the general public with graphic and written information analyzing the performance of the transportation system, and to provide status reports on transportation planning studies and engineering projects, to describe transportation issues the community is facing, and to identify priorities for future studies and projects.

### Previous Work:

- Reports and Newsletters used on a project by project basis to provide status reports on transportation planning studies and engineering projects, and to describe and frame transportation issues the community is facing within the transportation planning process.

### Methodology:

- Transportation Newsletters are used for transportation-related planning proposals and activities to aid decision makers and the general public in surveillance and review of information.
- The technical elements of reports presents available monitoring data which are compared with forecasts, describes the status of activities relating to implementation of the transportation plan, and describes ongoing transportation planning activities.

### Products:

- A. Reports and periodic Newsletters analyzing the performance of the transportation system and discussing on the transportation issues the community is facing.
- B. Graphic and written information analyzing the performance of the transportation system.
- C. Status reports on transportation planning studies and engineering projects.

### Funding Summary:

Combination of Local and Federal PL Funds

### Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Reports and periodic Newsletters	On-going activity
B. Graphic and written information analyzing the performance	June 2010
C. Status Reports	Quarterly

**E. Website Management and Enhancement (6250)**

Objective

To continue the development of an effective and efficient electronic internet website that allows public access to transportation planning information, MPO documents and reports, and to provide a vehicle for obtaining public comment on the transportation planning process. .

Previous Work

- New technologies are being used in visual imagery to display the City-County Comprehensive Plan, Transportation Plan, CIP and TIP, Public Involvement Program and other specific projects.
- Committee meeting notices, agendas and minutes are available on the website.
- The website format has been updated recently to improve easy accessibility for MPO documents as part of our public outreach efforts.
- Visual techniques are used to communicate a variety of levels of information including public policy issues, planning activity, engineering projects, studies and construction projects.
- The internet site also includes email functionality allowing citizens to electronically submit comments and questions to elected officials and staff regarding transportation issues.

Methodology:

MPO staff will continue to work with City and County departments to improve the use of visual techniques and continue to enhance its abilities as new technologies become available. The visualization techniques under consideration range from simple illustrations and charts to sophisticated simulation tools.

Products

- A. Staff will continue to post all documents and reports on the MPO website in a timely manner.
- B. Expand the site use as a mechanism for public input through on-line interactive surveys as seen as beneficial to the planning process.
- C. Continued evaluation of the InterLinc web page to better address the needs identified in the Americans with Disabilities Act.
- D. Continue looking into techniques that will further develop the “Visualization Toolbox” to provide the most effective techniques in helping people understand events within the transportation planning process.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Post documents and reports on the MPO website	On-going activity
B. Develop on-line interactive public input surveys	June 2010
C. Evaluation of the InterLinc web page	On-going activity
D. Continue developing the “Visualization Toolbox”	On-going activity

### III. DATA DEVELOPMENT, MONITORING AND EVALUATION VARIABLES – 6300

#### A. Geographic Information Systems (GIS) (6310)

Objective:

To integrate the capabilities of Geographic Information System (GIS) technology into the MPO’s comprehensive, coordinated, and continuous transportation planning process. Planning and programming activities are aided by the visual representation and technical evaluation of project alternatives which GIS technology provides.

Previous Work:

- Since the early 1990's, the Lincoln City-Lancaster County Planning Department, the Lancaster County Engineer’s Office, and the City of Lincoln Public Works and Utilities Department have maintained an automated base mapping system for all of Lancaster County (840 square miles).
- GPS technology has been used in creating and maintaining the base mapping system to ensure stable geographic control points.
- The “street center line digital geodatabase” for the City and County is a collection of data which employs networking software to maintain and display travel and transportation projects information, and is vital to the MPO’s traffic modeling activities.
- In January, 2008, The City of Lincoln, Lancaster County, Lincoln Electric System, and Lower Platte South Natural Resources District hired a GIS Program Manager.

Products:

- A. Street Center Line Digital Geodatabase - This geodatabase encompasses the MPO planning area street network which embodies pertinent facility attributes (e.g., posted speeds, distance, turning movement prohibitions, etc.) for all links and intersections in the street network. The geodatabase is to include facilities-based data sets, information on street functional class, pavement conditions, signage, striping, and eventually include public transit and trails databases.
- B. Transportation and Land Use Planning Database Files - A vast array of GIS digital files have been constructed and maintained in support of the overall transportation and land use planning process. Many of these files are used in evaluating transportation network alternatives.
- C. Capital Facilities Programming - Digital GIS files are kept up-to-date for use in the programming of various transportation facilities. These capital projects cut across all modes and become the basis for the formulating of the Transportation Improvement Program.
- D. Transportation Planning Mapping - As part of the routine on-going MPO transportation planning process, maps are prepared for use in public meetings and staff working sessions.

Funding Source:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Street Center Line Digital Geodatabase	As needed
B. Transportation and Land Use Planning Database Files	On going
C. Capital Facilities Programming	On going
D. Transportation Planning Mapping	On going

**B. Demographic Database Update (6320)**

Objective:

The 3C Transportation Planning Process requires current and credible population, income, household, and economic data to monitor and project travel behavior. This involves gathering and organizing demographic data for use in travel model calibration and forecasting. A variety of demographic data is also produced for base year conditions, for tracking demographic change, and for projecting future travel demand.

Previous Work:

- The MPO has crafted GIS data sets based on U.S. Bureau of the Census information, as well as from other population, household, income, and economic data sources.
- Charts and tables included in the Lincoln-Lancaster County Comprehensive Plan Annual Review Report (a.k.a., Community Indicators) and the Annual Transportation Systems Management Report summarize much of the collected data.
- Data is also used for periodic planning studies which detail the policies and programs of the Long Range Transportation Plan.
- Population and school enrollment are collected annually by the Planning Department. Census Bureau population estimates are used to track population growth for the City and County.
- Economic factors are monitored which include compilation of data by industrial sector and within the labor force.
- Significant changes in these data variables are evaluated in comparison to the forecasts.

Products:

- A. Population Factors - Track U.S. Census Bureau population figures from the ACS and other periodic reports and summarize demographic figures for posting on MPO website.
- B. Student Enrollment Figures - Work with educational institutions within the Lincoln area to obtain data on student enrollment by school and on location of students by place of residence.
- C. Employment Figures - Seek assistance of Nebraska Department of Labor to compile necessary worker data by industry and location.
- D. Community Indicators Report - Prepare summary report for the Annual Review of the Plan to present key indicators of area growth, transportation system usage, environment factors, and other pertinent planning elements.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Population Factors	On going & Semiannual
B. Student Enrollment Figures	Fall of Each Year
C. Employment Figures	March 2010
D. Community Indicators Report	April 2010

**C. Land Use Database Update and Maintenance (6330)**

Objective:

Transportation facility improvements spelled out in the Long Range Transportation Plan (LRTP) are derived in part from projected future development and their associated land uses. The land use planning process for the Lincoln and Lancaster County area provides the foundation for projecting future dwelling units, commercial, institutional, and industrial centers which provide a basis for assessing future transportation demand.

Previous Work:

The critical link between transportation and land use activities is the focus of on-going planning and management for both systems. This task involves gathering data and monitoring the land uses relative to the transportation planning process. GIS provides the foundation for the ongoing collection and evaluation of a range of land use-related data bases.

Products:

- A. Vacant Lot Inventory - Residential development is one of the key factors in projecting future travel demand by traffic analysis zone. Tracking the number and location of lots available for future residential growth – as well as dwelling units constructed on an continuing basis – is vital to this task. The ‘Vacant Lot Inventory’ is a digital GIS database which uses administrative records to monitor the platting of land and the construction of dwelling units.
- B. Commercial Floor Area Survey - Retail, office, and service uses represent major attractors of travel demand. Commercial uses require transportation network support for employees, customers, and deliveries. A building-by-building inventory of commercial activities is gathered to reflect generalized commercial uses and floor area. This inventory is conducted of all structures in commercial zoned areas of the MPO planning area. The data is entered into the MPO’s GIS and then aggregated by traffic analysis zone by major categories of commercial use.
- C. Industrial Development Survey - As a companion to the Commercial Floor Area Survey, an inventory of industrial development is also undertaken. Data on industrial uses are collected in the field and entered into the Geographic Information System. Tabulations by use by traffic analysis zone are then prepared for use in the traffic modeling process.
- D. Area-Wide Land Use Database - Data on all land uses within the MPO planning area is maintained on a regular basis using field surveys and administrative records. Every land parcel within the planning area is coded within the GIS database. This database offers a robust informational foundation for all MPO planning and evaluation efforts.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Vacant Lot Inventory	Monthly Postings & Mid-Year Summary Report
B. Commercial Floor Area Survey	November 2010
C. Industrial Development Survey	September 2010
D. Area-Wide Land Use Database	On going

**E. Census Planning Activities (CTPP) (6350)**

Objective:

Provide timely and meaningful local support to the United States Bureau of the Census in gathering and geo-coding of Census information; and integrate Census data into the transportation planning process in a purposeful and supportive fashion.

Previous Work:

- The Transportation Plan Update process included a series of public open houses to reach minority and special needs communities, including multiple one-on-one meetings with key community organizations. Language services for non-English speaking and hearing impaired individuals were made available as needed.
- Comments and survey data were solicited from all known local constituencies to obtain their thoughts and views on transportation issues.
- The Planning website included an on-line survey allowing the public to submit and post their comments for full review by the community, appointed officials, and elected officials.
- The Lincoln-Lancaster Planning Department conducted “Public Opinion Survey of Transportation and Mobility Issues” of 817 residents in Lincoln and Lancaster County during 2001. The maximum margin of error in the total random sample is  $\pm 4.4\%$ .
- The Lincoln-Lancaster Planning Department conducted a “Public Opinion Survey of Planning and Development Issues” in Lincoln and Lancaster County during 2000. A total of 710 residents of Lancaster County were contacted and interviewed with a maximum margin of error of  $\pm 4.0\%$ .

Methodology:

To ensure the opportunity for meaningful involvement within the transportation planning process from all members of the public within the planning area, work will continue to encompass a host of outreach efforts in soliciting, documenting, understanding, and discerning community values as they relate to the transportation planning process.

Products:

- A. Continued use of public open houses to solicit input from the general public with additional efforts made to reach minority and special needs communities.
- B. Language services for non-English speaking and hearing impaired will be used as needed.
- C. The website will use on-line surveys to gain input from the public.
- D. Public Opinion Surveys of Transportation and Mobility Issues will be conducted as necessary to obtain maximum input from the community.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility: Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Community Open Houses	Done as needed
B. Language Services	Done as needed
C. Website	On going
D. Public Opinion Survey	To Be Determined

## F. Transportation System Data Monitoring and Collecting (6360)

### Objective:

The objective of this task is to collect, maintain, and monitor data on the transportation system to support on-going planning needs. This includes data regarding system performance, inventories of facilities and services, and user behavior.

### Previous Work:

- Data routinely gathered to provide information on the operation of the street and road network is used to evaluate and manage the street and road system and to support transportation planning programs. Information is compiled on a continuing system-wide basis and includes the following.

Safety Data on Crash Locations and Frequencies: Data are collected routinely to monitor crash activity by location and frequency, along with short-range planning activities to identify system improvements. Annual crash statistics on pedestrians, bicycles, and vehicles are compiled, evaluated and summarized in an *Annual Crash Report*. Projects are selected, prioritized, implemented and evaluated for effectiveness.

Auto Occupancy Monitoring: The monitoring of screenline auto occupancy is conducted on a three year cycle.

Downtown Parking Management and Planning Studies: A Comprehensive Supply and Demand Parking Study was completed on parking facilities in the Downtown area, Haymarket shared parking activity, including metered parking and time limit restriction analysis. This Study includes data on all parking locations for on-street parking and off-street parking facilities, as well as parking fees and time restrictions. New visualization tools and techniques were employed in identifying parking locations. This study was coordinated with the City of Lincoln, Downtown Lincoln Business Association, University of Nebraska-Lincoln Campus and State Building Administration.

Traffic Counting Program: An urban traffic count program maintained to provide base data for travel assessment activity, roadway level of service analysis, and various transportation-related systems planning tasks. The traffic count data includes the estimated average daily traffic counts and turning movement counts for signalized intersections. A data report and map are prepared each year and posted on the internet to provide the public with information about traffic volumes on major roadways in Lincoln and Lancaster County.

Traffic Optimization Program: Traffic operations and management collect and evaluate system data on traffic control features including pavement marking, traffic signals, traffic signs, intersection channelization, and parking regulations. Data inventories are updated, expanded and evaluated as an ongoing *Traffic Optimization Program*. Volume/capacity and traffic flow analysis are conducted to evaluate major corridors and intersections in Lincoln with regard to delay and level of service. This information serves as input to the planning of street projects and traffic engineering related modifications to improve capacity, safety, and traffic flow.

### Products:

System data are collected, organized and maintained by the applicable local agency. Activities will continue in FY 2010 include:

- A. Safety data on crash locations are routinely collected to monitor crash activity by location and frequency.
- B. Annual crash statistics are compiled, evaluated and summarized in an *Annual Crash Report*.
- C. Projects are selected based upon safety and crash data , prioritized, implemented and evaluated for effectiveness.
- D. Auto occupancy data is collected on a three year cycle.
- E. *Auto occupancy* Report prepared
- F. Downtown Supply and Demand Parking Studies are prepared and implemented.
- G. The comprehensive urban Traffic Counting Program is an on-going data collection program,
- H. Traffic count reports and maps are update on the most current traffic volumes.
- I. The *Traffic Optimization Program* will collect and evaluate system data on traffic control features, pavement marking, traffic signals, traffic signs, intersection channelization, and parking regulations.
- J. The *Traffic Optimization Program* requires data inventories to be the updated and evaluated are as part an ongoing program.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
Safety Data on Crash Locations and Frequencies	
A. Crash data is collected	On-going activity
B. <i>Annual Crash Report</i> prepared	September 2009
C. Projects selected, prioritized, implemented and evaluated	On-going activity
Auto Occupancy Monitoring	
D. Auto occupancy data is collected on a three year cycle	January 2010
E. <i>Auto occupancy</i> Report prepared	April - June 2010
Downtown Parking Management and Planning Studies	
F. Implement the Comprehensive Parking Study	On-going activity
Traffic Counting Program	
G. Comprehensive urban traffic count program	On-going activity
H. Update traffic count data report and map	April - June 2010
Traffic Optimization Program	
I. Collect and evaluate traffic control system data	On-going activity
J. Update <i>Traffic Optimization Program</i>	On-going activity

## IV. SHORT RANGE PLANNING AND PROGRAMMING ACTIVITIES – 6400

### A. Transportation Improvement Program (TIP) (6410)

#### Objective:

Draw on priorities identified in the *2030 Long Range Transportation Plan* to select projects to receive state and federal funding over the next six years. Develop, maintain and update the scheduling of improvements and ensure consistency between the MPO's Transportation Improvement Program (TIP), local Capital Improvement Programs and coordinate with the State (STIP).

#### Previous Work:

- Developed and maintained the FY 2009-2014 TIP by including amendments
- Staff has worked to improve the programming of projects in the Lincoln-Lancaster County area.
- Developed an annual listing of projects for which federal funds have been obligated.
- Developed internet visualization techniques to make transportation planning and programming activities more understandable to the public.

#### Methodology:

- Draw on priorities from the *2030 Long Range Transportation Plan* to select projects to receive state and federal funding over the next six years.
- Use sound financial planning to accurately estimate available funds for system expansion, operations, and maintenance costs.
- Schedule improvements to ensure consistency between the MPO's Transportation Improvement Program (TIP) and the City of Lincoln and Lancaster County Capital Improvement Programs.
- Coordinate capital improvement programs with the State (STIP).
- Analyze state and federal allocations available under the Transportation Enhancement, Surface Transportation Program, and State Intermodal programs to recommend projects for funding.
- Coordinate with local agencies and NDOR to develop a and final six year TIP that consolidates roadway, transit, transportation disadvantaged, bicycle, and pedestrian improvements.
- Review TIP for consistency and coordination with the Lincoln-Lancaster Comprehensive Plan and Transportation Plan, Sub-Area & Corridor Studies, and ITS and management programs.
- Develop an annual listing of projects for which federal funds have been obligated in the preceding year.

#### Products:

- A. Coordinate the development of the FY 2010-2015 TIP and ensure projects are reviewed and evaluated in relation to the Comprehensive Plan and Transportation Plan.
- B. Over the next planning period, the adopted the FY 2010-2015 Transportation Improvement Program (TIP) will be maintained with amendments as needed
- C. Coordinate the development of the FY 2011-2016 TIP with certifications as required.
- D. Listing of annual projects for which federal funds have been obligated in the preceding year.
- E. Develop the "Visualization Toolbox" to continue as new techniques are made available in order to make transportation planning activities more understandable.

#### Funding Source:

Combined Local and PL Funding

#### Functional Agency Responsibility:

Local, 100%

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<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Coordinate development of the FY 2010-2015 TIP	September 2009
B. Maintain the FY 2010-2015 TIP through revisions as necessary	On-going activity
C. Coordinate the development of the FY 2011-2016 TIP	February - June 2010
D. Annual listing of federally obligated projects	December 2009
E. Continue developing the visualization techniques	On-going activity

**B. Financial Resources Development and Program Phasing (6420)**

Objective:

As part of the annual budget and planning activities, staff develops budget programs for transportation planning activities, engineering projects and construction projects to be conducted within the City of Lincoln and Lancaster County.

Previous Work:

Projected funding available for transportation projects in Long Range Transportation Plan determines the number of projects that can be constructed. Financial projections for the planning period show there is not adequate funding for all projects that are needed in the initial phases of the Plan without generating additional sources of funding. Work activities included 1) Financial projections for the Transportation Plan, 2) developing a financially constrained CIP/TIP from the Transportation Plan, and 3) analyzing alternative funding resources and pursuing revenue development.

Methodology:

Project and financial programming activity lists all planning activities and construction work to be pursued over the forthcoming planning and programming period.

**UPWP:** The MPO staff budgets the amount of funds needed for administration, planning activities, and transportation studies to be conducted in the planning year.

**CIP/TIP:** The MPO staff, along with the City of Lincoln, Lancaster County, NDOR and coordinating agencies, budgets available funds for scheduling transportation facility improvements for the coming fiscal year.

**Project Selection Criteria:** Enhancing the Project Selection Criteria (PSC) is to better facilitate project selection for the transportation system improvements. Specific policies and guidelines may be developed to aid in project ranking and prioritization as a means to move projects into the TIP.

**Financial Studies:** Analyze funding resources and pursue revenue development from alternative funding sources and bonding to keep the studies and projects on tract.

Products:

- A. Provide technical assistance and determine financial resources for transportation planning issues with the City of Lincoln, Lancaster County, NDOR and stakeholders.
- B. Prepare an updated financial plan for 2010-2011 as the basis for the budgeting process
- C. Analyze funding resources and pursue revenue development
- D. Develop Enhanced Project Selection Criteria (PSC)

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility: Local, 100%

Schedule of Products	Completion Dates
A. Technical assistance on financial resources for stakeholders	On-going activity
B. Prepare financial plan for 2010-2011 as the basis for budgeting	January 2010
C. Analyze funding resources and pursue revenue development	On-going activity
D. Develop Enhanced Project Selection Criteria (PSC)	April - June 2010

**C. Coordinated Public Transit-Human Services Transportation Programs (6430)**

Objective:

Assist human service and transit providers and public officials to develop, coordinate and administer the Public Transit/Human Service Coordination Transportation Plan and Program. FTA programs are 1) Special Needs of Elderly Individuals and Individuals with Disabilities Program (Section 5310), 2) Job Access and Reverse Commute Program (Section 5316), and 3) New Freedom Program (Section 5317).

Previous Work:

- The *Coordinated Public Transit-Human Services Transportation Plan* was developed in response to the federal requirement that all MPO's develop a regional transit coordination plan.
- MPO staff created and implemented a competitive selection program in consultation with the Technical Committee's six-member *Project Selection Task Force*.
- Projects for the JARC and the New Freedom program initiatives were competitively selected for a variety of projects requesting funds for a portion of program operating assistance.
- Project scope and performance measures were developed and used to monitor project activities.

Methodology:

- The subrecipients are selected through a competitive process and derived from a locally developed *Coordinated Transit-Human Services Transportation Plan*.
- Solicit and prioritize applications for Section 5310, JARC and New Freedom Initiative funds.
- Review applications for FTA transportation disadvantaged funding and develop recommendations to the MPO Technical and Officials Committees, and the NDOR.
- Monitored projects through performance measures.

Product:

- A. Review and update the *Coordinated Public Transit-Human Services Transportation Plan*.
- B. Develop the project funding budget for supporting an annual list of programs or projects.
- C. Place a call for projects and competitively select subrecipients within the metropolitan area.
- D. Select projects, develop scopes of work and performance measures and obtain MPO approval.
- E. Monitor project activity through performance measures.

Funding Summary:

Combination of Local and Federal Transit Funds and PL Funds

Functional Agency Responsibility: Lincoln MPO, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Review and update the current <i>Coordinated Transportation Plan</i>	January 2010
B. Develop funding budget for annual list of programs or projects	February 2010
C. Place a call for projects and competitively select subrecipients	February 2010
D. Select projects, develop project scope of work, performance measures and obtain MPO approval	April - June 2010
E. Monitor project activity through performance measures	On-going activity

**D. Transportation Facilities and Site Plan Review (6440)**

Objective:

Provide data and participate in transportation decision making processes and obtain feedback from other transportation planning agencies including federal, state transportation agencies, environmental and natural resource agencies on the direct and indirect potential impacts of land development and transportation projects.

Previous Work:

- Participation in the local and state-wide transportation planning and programming activities.
- Reviewed transportation planning and engineering study purpose and needs statements and data for State projects identified in the 2030 Transportation Plan.

Methodology:

- Evaluations are focused on the needs identified in the Transportation Plan and Transportation Improvement Program so that more informed decisions can be made.
- Participate, to the maximum extent possible, in the transportation decision making process and in the State transportation planning and programming activities.
- Work with appropriate agencies to identify data resources, including GIS, that are useful in evaluating the potential impacts of proposed transportation solutions.
- Coordinate with the NDOR for the collection of transportation and socio-economic-cultural data.
- Assist in developing purpose and need statements for planning and engineering projects identified in the Transportation Plan and provide support for Transportation Plan amendments.
- Review of National Environmental Policy Act (NEPA) Documents and Environmental Impact Statements (EIS) to integrate environmental values into the decision making processes.

Products:

- A. Review and provide analyses of major transportation facility design plans and Environmental Impact reports as needed.
- B. Review project plans for new land use developments and associated impacts on the transportation network.
- C. Respond to data needs by uploading socio-economic-cultural data, transportation network data, GIS files as necessary for the transportation planning process.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Review major transportation facility design plans	As needed
B. Review project plans for new land use developments	As needed
C. Respond to data needs	As needed

## V. METROPOLITAN TRANSPORTATION PLANNING – 6500

### A. Comprehensive Planning Review, Evaluation and Amendments (6510)

#### Objective:

Maintain and disseminate the Lincoln MPO's Long Range Transportation Plan within the *Lincoln-Lancaster Comprehensive Plan*. Continue to support the Lincoln MPO Transportation Model as the primary tool to test alternative networks on a regional basis. Review planning assumptions and recommend any amendments needed to keep the plan current, cost affordable and conforming to federal laws

#### Previous Work:

- The current 2030 *Lincoln-Lancaster Comprehensive Plan* and *Transportation Plan* was approved by the City of Lincoln and Lancaster County on November 16, 2006 and endorsed by the Lincoln MPO on January 4, 2007. The transportation planning process included identification of the social, economic, and environmental impacts for alternative sketch transportation plans. The 2030 Transportation Plan included a needs assessment and financial plan. The Transportation Plan was transmitted to the State Department of Roads for approval and to the FHWA and the FTA for acceptance.
- An "Annual Review" of the *Lincoln City-Lancaster County Comprehensive Plan* and *Transportation Plan* was completed during the spring of 2009. This activity included an assessment on the Plan, the development of a "Benchmark Indicators Report" and Amendments as needed.

#### Methodology:

- **Major Transportation Plan Update:** The MPO is to periodically update the Metropolitan Transportation Plan for the planning area (23 U.S.C. 134 (g)). According to federal requirements, the scope or life of the Metropolitan Transportation Plan is to cover a 20-year minimum forecast period at the time of plan adoption. Current regulations require the MPO to update long range transportation plans, at a minimum, every five years in order to accurately re-assess existing and projected travel conditions and needed improvements based on current population and socioeconomic data. The current five year life of the Transportation Plan will expire on January 4, 2012.
- **Annual Review and Plan Reevaluation:** An "Annual Review" of the *Lincoln City-Lancaster County Comprehensive Plan* and *Transportation Plan* is undertaken during the spring each year. This activity includes an assessment on the assumptions in the Plan and the development of a "Benchmark Indicators Report" for the Planning Commission.
- **Transportation Plan Amendments:** Amendments to the *Lincoln City-Lancaster County Comprehensive Plan* and *Transportation Plan* will be forwarded as necessary. These will involve analysis of the concepts and the inclusion of specific projects as part of the plan.
- Participate in transportation planning and engineering studies and community planning activities and incorporate findings into the Transportation Plan as necessary.
- Review the assessment and prioritization of long range bicycle, pedestrian, congestion, intermodal, safety, management systems, transit, Congestion Management activity and Intelligent Transportation Systems (ITS) needs.
- Evaluate candidate projects based on Environmental Justice and Title VI Criteria for disproportionate impacts and distribution of benefits on low-income and minority populations.
- Integrate environmental considerations into the long range planning process through the review candidate projects and document potential environmental impacts.

- Continue to develop a “*Visualization Toolbox*” and apply new techniques to make transportation planning and engineering activity more understandable to the public.
- Continue to publish and make available for public review the *2030 Lincoln-Lancaster Comprehensive Plan and Transportation Plan* in electronically accessible formats such as on CDs and on the Internet.

Products:

- Monitoring and maintenance of the 2030 Long Range Transportation Plan to include updating the components as needed
- In FY 2009-10, work tasks involve staff resources in the formulation and maintenance of documents, studies, reports, and data files, as needed.
- Amendments to the *Lincoln City-Lancaster County Comprehensive Plan and Transportation Plan* will be reviewed and acted upon by MPO Committees as necessary. These will involve analysis of the concepts and the inclusion of specific projects as part of the plan.

Funding Source:

Combination of Local and Federal PL Funds  
 Federal 25%, Local 75%

Functional Agency Responsibility:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Monitor and maintain the 2030 Transportation Plan	On-going activity
B. Maintenance of documents, studies, reports, and data files	On-going activity
C. Amendments to will be reviewed and acted upon by MPO Committees	As needed

**B. Subarea and Corridor Planning (6520)**

Objective:

Subarea plans are developed in order to implement the goals and planning concepts identified in the *Lincoln-Lancaster Comprehensive Plan* and *Transportation Plan*. Studies prepared as part of this effort identify future land use and transportation relationships as applied to the Comprehensive Plan.

Previous Work:

- The 2030 *Lincoln-Lancaster Comprehensive Plan* and *Transportation Plan* was completed and approved by the City of Lincoln and Lancaster County on November 16, 2006 and endorsed by the Lincoln MPO Officials on January 4, 2007.
- MPO staff support to the state, county and city in subarea and corridor studies.
- Staff support for the *I-80 Corridor Study and Partnerships* planning activity in the investigation of the opportunities in the areas adjacent to the Interstate 80 corridor.
- Preliminary study activity on the *Northeast Area Transportation Corridor Study* to establish a transportation connection within the northeast area, between N 70<sup>th</sup> Street and US-6.
- Elements of the *Nebraska Highway 2 Corridor Study* have been considered which will evaluate key transportation elements throughout the Highway 2 corridor.

Methodology:

- Studies provide details within study areas for existing and projected land uses with the transportation plan.
- Activities provide the details required for traffic analysis used in evaluating both near-term and long-term improvements.
- Activities include identifying policies and physical improvements that support multi-modal transportation systems within major corridors and sub-areas.
- Issues include planning for major investments, policy development, multi-modal transportation systems, congestion relief, safety, aesthetics, access management, adverse impacts, land use and urban design that supports the efficient provision and maintenance of the transportation system.
- Coordination with local governments, state agencies, community groups, business owners, land owners, residents and other stakeholders in developing studies.

Products:

- A. Study documents, reports, maps, presentation materials, and data files will be developed.
- B. Each phase of the subarea plans will be presented to the Planning Commission, MPO Technical Committee, City Council, County Board of Commission and MPO Officials Committee for formal review and approval as amendments to the *Transportation Plan* .

Funding Source:

Combined PL and Local Funding

Functional Agency Responsibility:

Local and State

Schedule of Products	Completion Dates
A. Study documents, reports, maps, and data files will be developed	Scheduled with each project
B. Subarea plans will be presented for review	Scheduled with each project

**C. Pedestrian, Bicycle and Trails Planning (6530)**

Objective:

Develop and promote plans and projects that increase safety and encourage walking activities and bicycle usage as viable modes of transportation.

Previous Work:

- The Pedestrian, Bicycle and Trails Plan was developed during the update of the *Lincoln-Lancaster Comprehensive Plan and Transportation Plan*.
- Bicycle and Pedestrian Priorities were developed for FY 2009-2015 CIP/TIP
- Pedestrian and bicycle projects and programs were recommend for inclusion in the CIP/TIP.
- Review construction and site development plans for pedestrian, bicycle and trails considerations.
- Planning efforts to implement bike lanes and bike parking facilities in Downtown area.
- Developed pedestrian design standards for office and commercial developments.

Methodology:

- Work with the Pedestrian/Bicycle Advisory Committee and local agencies to identify, prioritize and recommend bicycle and pedestrian infrastructure projects and safety awareness programs for inclusion in the *Comprehensive Plan and Transportation Plan*, CIP/TIP and other documents.
- Monitor transportation facility projects, community plans and development proposals to ensure that the needs of non-motorized travelers have been considered.
- Assist in programs to educate motorists, bicyclists and pedestrians on promotional events.
- Assist planning and engineering activities in developing projects to be undertaken for the Safe Routes to School Program (SR2S).
- Support planning efforts to implement the College View Neighborhood Mobility Audit.
- Assist in planning activities associated with implementing the *Pedestrian Facilities ADA Transition Plan* to assure stewardship of the *American with Disabilities Act*.

Products:

- A. Evaluate the extension of the bicycle and trails system into the developing areas, filling in system gaps and providing connections to schools, parks and activity areas.
- B. Identify rural bicycle corridors and opportunities to widen shoulders along county roads.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Evaluate the extension of bicycle and trails system	April - June 2010
B. Identify potential rural bicycle routes along county roads	April - June 2010

**D. Multi-modal Planning and Transit Coordination (6540)**

Objective:

Emphasize a balance in multiple transportation modes to provide a choice in travel modes and enable the community to maintain a high level of mobility and accessibility.

Previous Work:

- The development of a Multi-modal planning report.
- A low-income transit rider program through StarTran, and the inception of a Smart Commute program providing home ownership incentives for those who live near transit routes.
- *Transit Development Plan* that is a Comprehensive Operations Analysis (COA) to provide guidance for StarTran operations and management.
- Implementation of the *Transit Development Plan* and Comprehensive Operations Analysis.

Methodology:

- Multi-Modal Transportation Planning is designed to emphasize a balance in multiple transportation modes that include walking, bicycling, public transit, paratransit and vehicles.
- A choice in travel modes enables the community to maintain a high level of mobility and accessibility while preserving community character.
- Efforts include service improvements and expansion of transit service through the implementation of potential short and long range planning elements.
- Continued implementation of the transit development strategies identified in the Transit Development Plan.
- Congestion Management Process discussion dealing with multi-modalism.

Products:

- A. Continue to emphasize the balance in transportation modes and the choice in travel modes for increased levels of mobility and accessibility throughout the Urban Area.
- B. Emphasize the coordination of transit service within the Urbanized Area and the inclusion of transit service in transportation decision making process.
- C. Implementation of near-term multi-modal transportation projects along with continued development of mid- and long-term multi-modal concepts.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Emphasize the balance in transportation modes and choice	On-going activity
B. Emphasize the coordination and inclusion of transit service	On-going activity
C. Implementation of multi-modal transportation projects	On-going activity

**E. Goods and Freight Movement Planning (6550)**

Objective:

To advance a continuing process for involving the freight hauling community in the transportation planning process and to build on the base for freight hauling community input in developing infrastructure investment strategies.

Previous Work:

- A community-wide freight carrier company survey on goods and freight movement activities was undertaken to gather information and analyze commodity movements within the planning area.
- The survey provided a general inventory of freight carriers and stakeholders involved in freight and goods transportation within the Lincoln and Lancaster County area.
- Key issues and transportation related problems the trucking industry is facing in the Lincoln planning area were identified and addressed in the planning process.
- A comprehensive “Railroad Planning and Engineering Review” provided technical analysis and proposed actions to enhance pedestrian and vehicle safety and improve grade crossings.

Methodology:

- Engage the freight hauling community and stakeholders in the transportation planning process and in gaining their assistance in gathering transport information and commodity movements.
- Work with freight and goods community and stakeholders through targeted mailings and surveys to identify issues and transportation related problems freight carriers and stakeholders are facing.
- Railroad-related planning and engineering activities are in coordination with the *Transportation Plan* and the Railroad Transportation Safety District (RTSD) goals.
- Railroad planning activities include railroad planning with regard to railroad crossings and safety issues, railroad system improvements and consolidation, railroad abandonments and quiet zones.
- Coordinate planning activities with the Nebraska Department of Roads in examining freight issues, programming projects, and promoting a dialogue with the freight industry.

Products:

- A. Develop an active process to gain input from and involve the freight hauling community and stakeholders for input into the transportation planning process.
- B. Coordinate with the Nebraska Department of Roads in examining freight issues and the programming of projects.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Develop process to involve freight community in planning process	On-going activity
B. Coordinate with the Nebraska Department of Roads	On-going activity

**F. Policy Studies and Regulation Review (6560)**

Objective:

To research and promote the study of general transportation policy issues and regulations that develop throughout the year which includes the review of local, state and federal regulations and planning provisions as well as other planning activities associated with new program development.

Previous Work:

- The Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) became law on August 10, 2005 and thirteen items were added that needed to be added to the MPO's planning documents.
- A "gaps analysis" was undertaken of the current plans and programs to identify the work needed to make existing plans and programs compliant with SAFETEA-LU.
- The MPO implemented the *Coordinated Public Transit-Human Services Transportation Plan* and developed and administered a process for allocating funds to subrecipients.

Description:

General research and development of transportation policy issues and regulations that develop throughout the year. These involve the review of local, state and federal regulations and planning provisions as well as new planning activities associated with new program development. This activity is to ensure the compliance with administrative, financial, and legal requirements for maintaining the transportation planning process for the Lincoln MPO.

Products:

- A. The next federal surface highway bill is scheduled to be adopted by Congress in October 2009 and the new National Surface Transportation Policy will require issue review and staff recommendations for incorporation into the MPO transportation planning process.
- B. Incorporate the new transportation planning provisions and regulations as they are developed into the MPO's planning documents and transportation planning process.
- C. Study of general transportation policy issues that develop throughout the year.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. National Surface Transportation Policy issue review	As needed
B. Incorporate the new transportation planning provisions into the MPO's planning documents and transportation planning process.	As needed
C. Study of transportation policy issues that develop throughout the year	On-going activity

## VI. TRANSPORTATION SYSTEM PLANNING – 6600

### A. Transportation Model Development and Maintenance (6610)

#### Objective:

The primary focus of this task is implementation and maintenance of the travel demand model. Travel demand modeling involves developing system-wide travel analysis for long-range transportation planning and performing alternative analysis to determine traffic patterns at a subarea level to support the planning and programming process of the MPO.

#### Previous Work:

The travel demand model for Lincoln MPO planning area was updated and validated in the new TransCAD travel modeling system to improve the travel modeling tools. Base system data was collected, evaluated, compiled and evaluated for input into the travel modeling system. This process integrated land uses with the transportation model in a multi-modal modeling framework for future travel conditions.

#### Methodology:

The model is used in the maintenance of the Lincoln Metropolitan Transportation Plan and in identifying future system deficiencies and in analyzing various transportation system scenarios. The increased the sensitivity of existing travel projection procedures and added the ability to respond to emerging issues including environmental concerns, growth management, transportation system management activities, changes in personal and household activity patterns, and maintain the ability to address traditional transportation issues.

The Travel Model Improvement Program is divided into three major work areas. 1) Work related to the updating and maintaining the Transportation System Model, 2) work related to subarea and focus area modeling analysis, and 3) the application of modeling activity for various project-related transportation and traffic engineering analyses.

In fiscal year 2009-2010, the Lincoln MPO would like to update and enhance its modeling capabilities. This is focused on several activities, including readying the travel model for a major plan update, developing system capabilities to perform the subarea analysis to study development and growth patterns. This will include integrating the model network with the capabilities of Geographic Information System (GIS) technology and the “street center line digital geodatabase” which employs networking software to maintain and display travel and transportation projects information. This geodatabase encompasses the MPO planning area street network which embodies pertinent facility attributes (e.g., posted speeds, distance, turning movement prohibitions, etc.) for all links and intersections in the street network. The geodatabase is to include facilities-based data sets, information on street functional class, pavement conditions, signage, striping, and eventually include public transit and trails databases.

#### Products:

This process is intended to maintain a travel projection process that reflects current travel behavior and is able to respond to the increasing information needs placed on the travel projection process. Efforts under this task in FY 2009-10 will include:

- A. Continuing to work with the Transportation Modeling Team to build staff expertise in the use of and advancement of the development of the travel demand model. This will include training of the MPO, Planning, and Engineering staff in the use of the updated TransCAD software.

- B. Integration of the travel model with the new GIS “street center line digital geo-database” to employ the networking software and to display and maintain transportation project information.
- C. Work with City and MPO staff to perform modeling analysis to address new land use development proposals.
- D. Providing local data and transportation updates for the upkeep and maintenance of the model.
- E. Developing traffic for projections which support transportation planning and engineering efforts in project-related transportation and traffic engineering analyses.

**Funding Summary:**

Combination of Local and Federal PL Funds

**Functional Agency Responsibility:**

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Training to advance staff skills in travel demand modeling	On-going activity
B. Integrate travel model with GIS street center line digital geo-database	January 2010
C. Modeling analysis to address new land use development proposals	On-going activity
D. Upkeep and maintenance of the model as needed	As needed
E. Develop project-related traffic for projections for transportation planning and traffic engineering analyses	As needed

## **B. Congestion Management Process (6620)**

### Objective:

Establish a Congestion Management Process (CMP) to serve as a practical tool for staff and decision-makers to identify and implement strategies that enhance the mobility of people and goods in the Lincoln metropolitan area. The CMP is to guide for effectively allocating human, capital, and financial resources in order to reduce roadway travel-time delays, improve air quality, and conserve energy.

This is to be a systematic process that provides information on transportation system performance and alternative strategies to provide for effective management and operation of the transportation system and to alleviate congestion. The CMP is an important element of the Lincoln MPO planning process and will guide project recommendations for the TIP and policies for the congestion management element of the Transportation Plan.

### Previous Work:

- The MPO/City of Lincoln has used travel time and delay studies and the traffic count data to gauge the degree of congestion on the streets within the urbanized area.
- A traffic counting program is managed by the City of Lincoln and also receives data from Lancaster County and the Nebraska Department of Roads.
- A comprehensive ITS architecture is in place with projects under development.
- The Lincoln/Lancaster County Health Department monitors the air quality throughout the county to ensure that compliance with national standards is met.
- StarTran completed a Transit Development Plan which looked at the best use of transit resources to provide service to the City of Lincoln.

### Methodology:

The MPO and Lincoln Public Works Department is developing a program that builds on existing management activities to meet the unique needs of the Lincoln metropolitan area. The CMP will create a systematic process that provides information on transportation system performance to provide for effective management and operation of the transportation system and to alleviate congestion and enhance mobility. The program will explore effective management of existing facilities through use of travel demand and operational management strategies. The CMP is to include the following elements.

- Performance measures and objectives;
- A program for continuous data collection and system monitoring;
- Identification and evaluation of the implementation schedule and benefits of possible congestion management strategies; and
- Evaluation of the effectiveness of implemented strategies.
- Information gathered in management systems is to be integrated into the transportation planning process.

### Products:

The CMP is a federally required process to identify congested locations and facilities within the metropolitan area. The process identifies, measures, and monitors congestion through an on-going information gathering program. This information represents a collection of travel time data on congested facilities. The CMP assesses congestion and mobility through the use of tools such as Travel Time Contour Maps. The Lincoln CMP is to be integrated with the Long-Range Transportation Plan, Transportation Improvement Program (TIP) and Corridor Studies through its

data and analysis functions as well as through the management tools developed for the CMP. This program is expected to accomplish the following.

- A. Complete and adopt Congestion Management Process.
- B. Congestion management report of all congestion management data.
- C. Identify congested locations and evaluate and rank problem areas
- D. Compare critical links to congestion standards for potential management strategies and actions
- E. Monitor the Effectiveness of Improvements

Funding Source:

Combined PL (80%) and Local Funding (20%)

Functional Agency Responsible:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Complete and adopt Congestion Management Process	January 2010
B. Congestion management report	September 2010
C. Identify congested locations, evaluate and rank problem areas	October 2010
D. Identify potential management strategies and actions for critical links	October 2010
E. Monitor the effectiveness of improvements	On-going activity

**C. Intelligent Transportation System (ITS) (6630)**

Objective:

To advance the development and application of ITS within the Lincoln Metropolitan area and across the region in order to increase highway safety, mobility, security, economic health and community environment.

Previous Work:

- The *ITS Regional Architecture Plan* outlines the Stakeholder Involvement and an Outreach Plan.
- The ITS Regional Architecture Plan is a key element in the MPO Transportation Planning process and implements the ITS strategies of the Transportation Plan.
- ITS projects have been implemented which enhance the safety, security, operations and economic well being of residents and communities.

Methodology:

- Continue to increase the use of pan/tilt/zoom cameras, traffic monitoring, pavement and weather stations, dynamic message signs, emergency vehicle and railroad preemption devices, fiber optic and broadband radio communications.
- **Develop a single joint ITS Architecture to ensure that ITS investment in Southeast Nebraska area has established common communication protocols.**
- **Bring the region into compliance with the nationally established ITS standards and architecture.**

Products:

- A. Continue working with the ITS Regional Technical Work Group to provide stakeholder participation and input.
- B. Conduct Regional ITS Architecture compliance assessments as required.
- C. Initiate process to refresh/update the Regional ITS Strategic Plan and Architecture.
- D. Activities include encouraging ITS strategies to be considered as part of all projects.

Funding Source:

Combined Federal, State, and Local Funding

Functional Agency Responsible:

City of Lincoln, Lancaster County, Nebraska Department of Roads, local governments

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Continue working with ITS Regional Technical Work Group	On-going activity
B. Conduct Regional ITS Architecture compliance assessments	June 2010
C. Update the Regional ITS Strategic Plan and Architecture	April - June 2010
D. Encourage ITS strategies to be considered as part of all projects	On-going activity

## D. System Management, Operations and Coordination (6640)

### Objective:

To carry out effective long-range transportation planning by integrating transportation system management and operations and system performance evaluations within the Lincoln Metropolitan Planning Area.

The metropolitan transportation planning process traditionally has focused on project needs and challenges associated with transportation system reliability, safety, and security that require near-term and long-term operational solutions. The time and resources required to implement new transportation infrastructure emphasize the need to optimize the effectiveness and performance of the transportation system through improved transportation system management and operations activities.

Transportation system management and operations activities are integrated in the Lincoln metropolitan transportation planning process, and assist the Lincoln MPO in meeting federal requirements under SAFETEA-LU that calls for system management and operations strategies to be incorporated into the metropolitan transportation plan.

### Previous Work:

- Provide decision-makers direction on key transportation policies, issues and procedures
- Providing technical assistance for public and private projects for urban, rural, and state transportation planning and engineering activities.
- Ongoing work activities include developing and maintaining programs in traffic access management, site impact review, congestion management, intersection improvements, level of service and system performance measures.
- Incident Management Plan developed.

### Methodology:

- System Management, Operations and Coordination is an evaluation of the need for transportation facilities and services based on travel demand. This may be accomplished on an areawide basis, within a single jurisdiction, within a specific transportation corridor or in any other geographic unit. System planning includes an evaluation of how the urban area develops and how human travel characteristics change the demand for transportation.
- System data and records are maintained to insure a consistent and proactive planning process and provide consistent up-to-date information for the transportation planning and transportation improvement programs.
- System Management, Operations and Coordination Activity maintains project data bases for the Transportation Plan which are translated into projects for input into the TIP. Data sources provide support for transportation planning and transportation related activities which include maintaining level-of-service information and functional classification for the roadway network
- Highway Functional Classification process is an on-going activity to determine the importance of all urban streets and highways in relation to one another and to urban development.
- Emergency Preparedness has been established to address local disasters, both natural and man made, which are unpredictable as to time, location, nature and severity. A high priority has been placed on emergency planning so that it can offer leadership, help and information in emergency situations. An Emergency Plan has been developed to provide guidelines in responding to incidents and evacuation routes and emergency operations management have been developed. The plan is a working document that forms an integral part of the ongoing planning, training, exercising and testing process in the City's comprehensive emergency planning development. The entire Public Works staff has received training through the National Incident Management

System which is a unified approach to incident management with standard command and management structures and an emphasis on preparedness, mutual aid and resource management.

- Traffic Incident Management is the process of managing multi-agency, multi-jurisdictional responses to street and highway traffic disruptions. The focus is on managing both small and large scale incidents requires a plan and executing it with the cooperation of all of the organizations involved. Major events require the planning and preparation from a wide scope of participants which may utilize pre-planning for the use of public transit which may become a critical component in addressing a major regional event. This includes Incident Management and ITS Plans are developed and maintained.
- Access Management Planning is to develop a management plan to provide standard guidelines for roadway projects and new developments. Access management promotes safety and increased vehicular mobility on arterial streets and highways by focusing ingress and egress between property and roads. This activity will focus on system analysis and development of general policies and strategies to enable an access management plan to be implemented. These will provide the guide for access management and project selection which are expected to be incorporated in the Transportation Plan.

Products:

- A. Evaluation of the need for transportation facilities and services based on travel demand.
- B. Develop and maintain system planning data and records to be used to support the transportation planning process and related planning/engineering activities.
- C. Maintain Highway Functional Classification maps and update as needed support community development and the growing importance of all urban streets and highways.
- D. Maintain and update as necessary the Emergency Plan and staff training to provide guidelines and preparedness in responding to incidents and evacuation routes and emergency conditions.
- E. Oversee the Traffic Incident Management pre-planning activities and the execution of traffic operation plans for incidents.
- F. Develop an Access Management Plan to provide standard guidelines, general policies and strategies for roadway projects and new developments

Funding Source:

Combined PL (80%) and Local Funding (20%)

Functional Agency Responsible:

Local, 100%

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. Evaluation of transportation facilities and services	On-going activity
B. Development and maintenance of system planning data and records	On-going activity
C. Maintain Highway Functional Classification maps	As needed
D. Maintain Emergency Plan and staff training to provide preparedness	As needed
E. Oversee the Traffic Incident Management planning and operations	On-going activity
F. Develop an Access Management Plan	October 2010

## VII. CONTINUING URBAN TRANSPORTATION PLANNING PROCESS

### A. Lincoln MPO Cost Allocation Plan for Fiscal Year 2008-2009

#### **Purpose**

The Transportation Planning “Cost Allocation Plan” for the Lincoln Metropolitan Planning Organization (MPO) is the basis of assigning project costs based on staff time spent on transportation planning work in carrying out the continuing transportation planning process within the Lincoln metropolitan area. The City of Lincoln has been designated as the recipient agency for the Lincoln Metropolitan Area for planning funds pursuant to 23 U.S.C. Section 134 as amended by the Safe, Accountable, Flexible, and Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) which provides partial funding for the transportation planning process carried out by the Lincoln MPO. Overall program funding is based upon financial resources received from participating agencies which include the City of Lincoln, Lancaster County, State of Nebraska and federal government (FTA/FHWA).

The purpose of a cost allocation plan is to summarize the methods and procedures that are used to allocate costs and to establish the overhead rate for the MPO. This rate is used for the PL Funding grant which is administered through the Unified Planning Work Program (UPWP) and is the basis for the Federal Aid Highway Metropolitan Planning (PL) Funds agreement with the NDOR. This Cost Allocation Plan is submitted to the Nebraska Department of Roads (NDOR), the Lincoln MPO cognizant for the Federal Highway Administration, for approval.

#### **General Approach**

The Transportation Planning Cost Allocation Plan, is a cost rate proposal to document and identify the cost allocations and establish overhead rates of the MPO for fiscal year 2009-10. There are three basic factors covering project costs and used in determining the total overhead rate. These include 1) direct assignable project costs, 2) employee fringe benefits and 3) indirect common or joint purpose project costs.

Direct assignable project costs are those expenses that can be identified specifically with a particular final objective. These are the gross costs of personnel, materials, services and consultants that have direct assignment or responsibilities identifiable to specific projects identified in the UPWP. Costs charged directly to final cost objectives do not require any further allocation or breakdown are assignable direct costs.

Direct assignable labor includes employee fringe benefits which are considered part of the direct labor costs. Fringe benefits costs are fixed expenses such as health insurance, vacation pay, employer's contribution to retirement funds, workers' compensation, and payroll taxes which are constant for each worker and so, like wages, adds directly to the cost of every job.

Indirect project costs include all job related costs other than direct labor and direct materials but are made up of indirect materials, indirect labor, and other overhead costs related to the carrying out the transportation planning program for the MPO. Indirect costs are incurred for a common or joint purpose and cannot be readily identified with a particular final cost objective; therefore, a method of allocation is used to distribute the indirect costs to various direct activities that were benefitted. To distribute indirect costs equitably and consistently, an “Indirect Cost Study” was completed by the City of Lincoln in 2006 which establishes an indirect rate for all project costs required to cover project overhead.

### **Overhead Factor**

The overhead factor employed is a fairly simple, straightforward calculation, that establishes the general overhead costs that are incorporated into the labor billing rates. Two factors went into developing the this factor. First are the employee fringe benefits, estimated to average 30 percent of labor costs as determined by an audit of Lincoln's payroll and related expenses. Only those payroll-related expenses listed on the following page and included in Employee Fringe Benefits part 1.31.6 of the Federal Acquisition Regulation (Code of Federal Regulation 48) are included for reimbursement. For purposes of this plan, the employee fringe benefit funding level for the work program is a 30 percent rate applied to direct labor costs.

The "Indirect Cost Study" (2006) computed a new special indirect rate for project costs, a rate of 20.11 percent. This was done in accordance with Office of Management and Budget (OMB) Circular A-87, "Cost Principles for State and Local Governments," and "DOT Order 4600.17A Financial Assistance Management Requirements" (May, 9, 2000) for State DOTs and their subrecipients (local governments and metropolitan planning organizations).

The combined direct employee benefit rate (30.0%) and indirect overhead cost rate (20.11%) results in a total overhead cost rate of 50.11 percent to be applied to all project costs. This overhead cost rate is subject to any conditions that may be set forth in the payment section of the NDOR PL Fund agreement.

### **Cost Allocation To Projects**

Each project that is active during the fiscal year receives an allocation of costs relative to its activity or staff time spent on the project. This includes direct personnel costs for the actual time, direct non-personnel project costs, and a share of all indirect costs relative to the project activity. The share of indirect costs charged to each project is determined by the staff activity and the overhead factor applied to each respective project's direct personnel costs.

This "Cost Allocation Plan" for the Lincoln MPO is the basis of assigning project costs and project support. At the quarter end, the actual dollar amount of funds available or programmed will determine the amount of support of each project will receive during the requisition period. Funding will be drawn from available include federal, state, and local transportation funds, and other special transportation planning funds contracted for and/or authorized by the MPO Executive Officer, MPO Director, or Officials Committee.

**Direct Assignable Personnel Costs.** The gross costs of personnel that have direct assignment or responsibilities identifiable to specific projects in the UPWP. This is compensation paid to employees whose time is devoted specifically to the fulfillment of a particular program objective and do not require any further allocation or breakdown and are directly assignable. If direct personnel are assigned to general administrative functions, their time will be recognized as an indirect cost.

**Employee Fringe Benefit Costs.** Fringe benefits are fixed expenses that are directly assignable to labor costs. Fringe benefits costs are fixed expenses such as health insurance, vacation pay, employer's contribution to retirement funds, workers' compensation, and payroll taxes, etc. which are constant for each worker and so, like wages, adds directly to the cost of every job.

The fringe benefit costs inflate every dollar spent on wages by an average of 30 percent as determined by an audit of Lincoln's payroll and related expenses. Only those payroll-related expenses shown below and included in Employee Fringe Benefits part 1.31.6 of the Federal Acquisition Regulation (Code of Federal Regulation 48) are included for reimbursement. The fringe benefit cost rate of 30

percent is applied for quarterly grant reimbursement claims. Benefits include the following cost categories which are subject to conditions set forth in the PL Fund agreement:

- Social Security
- Retirement
- Life Insurance
- Health Insurance
- Workmen's Compensation
- Sick Leave
- Funeral Leave
- Vacation
- Holiday Pay
- Employee Assistance Program
- Unemployment
- Jury Duty Leave
- Injury Leave
- Military Leave

When claimed for reimbursement, the rate for overhead costs will be determined by an audit of Lincoln's payroll and related expenses for the FY 2008-09 PL contractual agreement.

**Direct Non-Personnel Costs.** The cost of non-personnel items or services that are directly assignable to the work program and charged directly to a specific objective and do not require any further allocation or breakdown are assignable direct costs. Direct non-personnel costs include the costs of any materials purchased and project related items such as contract services, project report publishing and reproductions, travel, reference materials, staff development, postage, public notices, data processing, memberships, and other costs directly identifiable to the program. Costs may include of pre-approved items such as equipment, consultants and subcontractors for performance of services specifically for the program.

**Indirect Personnel Costs.** The indirect personnel costs or "central overhead costs" are the overall costs it takes to support an employee. Indirect costs are spread among general and administrative expenses that are incurred for common or joint purposes benefitting more than one cost objective and are not readily assignable to the a specific cost objective without effort disproportionate to the results achieved. These are gross costs of all personnel that are not directly assigned to specific projects but rather are assigned to support all project activities. If indirect costs are could be distributed equitably and consistently, it would not be necessary to develop a cost allocation plan. Staff assigned as an indirect cost will not be allocated as a direct cost to any other project or circumstance for which they have been assigned as a direct cost.

**Indirect Non-Personnel Costs.** Indirect non-personnel costs are all non-personnel costs incurred for common or joint purposes benefitting more than one cost objective, and are not readily assignable to the cost objectives specifically benefitted, without effort disproportionate to the results achieved. These costs include the costs of office supplies, services, and facilities that benefit more than one project, program or department (for example, office rent, office supplies, base telephone, mail delivery, depreciation, insurance, janitorial services, utilities and other such costs similarly attributed to total agency and all project support). It is difficult to classify costs that will be indirect in all situations. However, one rule followed is that a cost is not allocated as an indirect cost if that cost or any other cost incurred in the same circumstance and for the same purpose has already been assigned to the program as a direct cost.

### **Products**

The activities included in this work program will be carried out in accordance with the MPO Prospectus. The following Activity Reference Chart reflects the activities described above, with agency responsibilities and estimated costs noted. The activity number is that assigned to each activity for purposes of the Lincoln-Lancaster Planning Department and Public Works and Utilities Department Time Management Systems.

**B. PROGRAM FUNDING SUMMARY TABLE**

**Staff Time Estimates For FY 2009-10**

Staff (equivalent staff time)	Staff Months
Professional Staff	36
Support Staff	40

**Estimated Costs By Agency**

Agency	Estimated Costs
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**Program Funding Summary:**

**Lincoln Metropolitan Planning Organization (MPO)**

Total Program Costs (100%):	\$605,736
Federal Share (80%): PL Fund	\$484,589
City Share (20%):	\$121,147

**PL Funding Summary:**

Federal Allocation: SPR-PL-1(47) (80%)	\$407,855
Federal Allocation: SPR-PL-1(46) (Carry-Over 80%)	\$0
Federal Allocation: SPR-PL-1(45) (Carry-Over 80%)	\$ 39,650
Federal Allocation: SPR-PL-1(44) (Carry-Over 80%)	\$ 37,084
 Total Federal PL Fund Allocation:	 \$484,589

**Other Planning Activity Funding:**

**Lancaster County Engineer (LCE)**

Total Costs (100%)	\$ 4,000
County Share (100%)	\$ 4,000

**Nebraska Department of Roads (NDOR)**

Total Costs (100%)	\$ 30,000
Federal Share, SPR (80%)	\$ 24,000
State Share (20%)	\$ 6,000

ACTIVITY REFERENCE CHART - ELEMENT 401

**WORK PROGRAM FOR CONTINUING TRANSPORTATION PLANNING  
 IN THE LINCOLN METROPOLITAN AREA: FY 2009-10**

Act. Number	Activity	Agency Primarily Responsible	Estimated Activity Costs		
			PL Fund	Local	Total
<b>ADMINISTRATIVE AND MANAGEMENT ACTIVITIES - 6100</b>					
6110	General Program Administration	LLPD	15,000	3,750	18,750
6120	Certification of Transportation Planning Process	LLPD, DPW, TC	5,000	1,250	6,250
6130	Unified Planning Work Program	LLPD, DPW, TC	12,000	3,000	15,000
6140	PL Fund Grant Administration	LLPD, DPW	5,000	1,250	6,250
6150	Professional Development, Education and Training	LLPD, DPW	9,000	2,250	11,250
<b>INTERAGENCY AND PUBLIC OUTREACH ACTIVITIES - 6200</b>					
6210	Transportation Planning-Related Committees	LLPD, DPW	15,000	3,750	18,750
6220	Public Participation Program	LLPD	15,000	3,750	18,750
6230	Environmental Justice Strategies	LLPD	10,000	2,500	12,500
6240	Annual Transportation Report and Newsletters	LLPD	4,589	1,147	5,736
6250	Website Management and Enhancement	LLPD	5,000	1,250	6,250
<b>DATA DEVELOPMENT, MONITORING AND EVALUATION VARIABLES – 6300</b>					
6310	Geographic Information Systems (GIS)	LLPD, DPW, LCE	30,000	7,500	37,500
6320	Demographic Database Update	LLPD	15,000	3,750	18,750
6330	Land Use Database Update and Maintenance	LLPD, DPW, LCE	25,000	6,250	31,250
6340	Community Value Factors and Surveys	LLPD, DPW, TC	3,000	750	3,750
6350	Census Planning Activities (CTPP)	LLPD	5,000	1,250	6,250
6360	Transportation System Data Monitoring & Collection	LLPD, DPW, LCE	35,000	8,750	43,750
<b>SHORT RANGE PLANNING AND PROGRAMMING ACTIVITIES – 6400</b>					
6410	Transportation Improvement Program (TIP)	LLPD, DPW, LCE, TC	9,000	2,250	11,250

ACTIVITY REFERENCE CHART - ELEMENT 401

**WORK PROGRAM FOR CONTINUING TRANSPORTATION PLANNING  
 IN THE LINCOLN METROPOLITAN AREA: FY 2009-10**

Act. Number	Activity	Agency Primarily Responsible	Estimated Activity Costs		
			PL Fund	Local	Total
6420	Financial Planning & Program Phasing	LLPD, DPW, LCE, TC	2,000	500	2,500
6430	Coordinated Public Transit-Human Services	LLPD, DPW, LCE, TC	5,000	1,250	6,250
6440	Transportation Facilities and Site Plan Review	LLPD, DPW, LCE, TC	1,000	250	1,250
<b>METROPOLITAN TRANSPORTATION PLANNING – 6500</b>					
6510	Comprehensive Plan Review and Amendments	LLPD, DPW, LCE, TC	30,000	7,500	37,500
6520	Subarea Planning and Corridor Studies	LLPD, DPW, LCE, TC	2,000	500	2,500
6530	Pedestrian, Bicycle and Trails Planning	LLPD, DPW, LCE, TC	5,000	1,250	6,250
6540	Multi-modal Planning and Transit Coordination	LLPD, DPW, LCE, TC	6,000	1,500	7,500
6550	Goods and Freight Movement Planning	LLPD, DPW, LCE, TC	6,000	1,500	7,500
6560	Policy Studies and Regulation Review	LLPD, DPW, LCE, TC	4,000	1,000	5,000
<b>TRANSPORTATION SYSTEM PLANNING – 6600</b>					
6610	Transportation Model Development & Maintenance	LLPD, DPW, LCE, TC	145,000	36,250	181,250
6620	Congestion Management Process (CMP)	LLPD, DPW, LCE, TC	50,000	12,500	62,500
6630	Intelligent Transportation System (ITS)	LLPD, DPW, LCE, TC	0	0	0
6640	System Management and Operations Coordination	LLPD, DPW, LCE, TC	11,000	2,750	13,750
<b>MPO PROGRAM TOTALS</b>			<b>\$484,589</b>	<b>\$125,897</b>	<b>\$591,986</b>
NDOR SPR Funding		NDOR	0	0	30,000
County Engineering Funding		LCE	0	0	4,000
<b>PROGRAM GRAND TOTALS</b>			<b>\$484,589</b>	<b>\$125,897</b>	<b>\$625,986</b>



## VIII. TRANSIT PLANNING WORK PROGRAM – 6700

The following describes transit planning activities expected to be conducted in FY 2009. The task budget categories are per Federal Transit Administration (FTA) guidance circulars to be utilized for reporting and auditing purposes. Tables follow this information describing the level-of-effort and budget of each indicated task.

### 44.21.00 Program Support and Administration:

Various administrative activities will continue in FY 2010 in coordination with planning carried out by other agencies, including:

- Staff supervision and administration
- Professional development
- Coordination and development of planning activities
- Policy review and development
- Budget development and coordination
- Review and development of StarTran Strategic Plan

### 44.22.00 General Development/Comprehensive Planning:

Evaluation and update of Transit Portion of Lincoln/Lancaster County Comprehensive Plan.

### 44.23.02 Long Range Transportation Planning:

Appropriate review and update of the Long Range Transportation Plan

### 44.24.00 Short-Range Transportation Planning:

Activities specifically related to short range transportation system/project planning and analysis will continue in FY 2010, to include:

- Management analysis of and planning of related to internal operations.
- Short-range transportation system management (TSM) activities.
- Transit-related system and project planning.
- Transit-related surveillance activities.
- Transit marketing planning.
- Monitor results of Passenger Counting System for route performance and service effectiveness.
- Appropriate planning activities associated with Intelligent Transportation Systems.
- Coordination of Human Services Transportation program.
- Potential support of the Job Access Reverse Commute Program and New Freedom Initiative.

### 44.25.00 Transportation Improvement Program:

In FY 2010, the transit portion of the 2010-2011 and 2015-2016 Transportation Improvement Program (TIP) will be developed and maintained and ensure consistency with the Capital Improvement Program. Use sound financial planning to accurately estimate available funds for system expansion, operations, and maintenance costs.

### 44.26.14 Planning Emphasis Areas:

In FY 2010 support will be given to the FTA Planning Emphasis Areas which includes:

- Safety and Security in Transportation Planning
- Participation of Transit Operators in Metropolitan and Statewide Planning

- Coordination of Non-Emergency Human Service Transportation
- Transit Systems Management/Operations to Increase Ridership
- Transit Capital Investment Decisions through Effective Systems Planning

44.27.00 Other Activities:

Transit-related portions of the following such transportation administrative programs will continue to be developed in FY 2010:

- Unified Planning Work Program.
- Planning Process Certification report
- Disadvantaged Business Enterprise Program
- National Transit Database Reporting

In FY 2010 planning, development, and improvement of transportation services to the elderly and persons with disabilities will continue to include:

- Administration updating, and implementation of the “Complementary Paratransit Plan”

Appropriate planning activities will be conducted in FY 2010 which give early consideration of the natural environment and effects of transportation planning and project activities. Such planning activities will address, as appropriate, equitable distribution of mobility benefits and possible adverse environmental/health impacts of federally-funded transportation investments and activities.

<b>Schedule of Products</b>	<b>Completion Dates</b>
A. StarTran Strategic Plan	October 2009
B. Long Range Transportation Plan Update	Expected 2011
C. Surveillance Activities	Fall 2009
D. Transportation Improvement Plan	September 2009
E. Unified Planning Work Program	June 2010
F. Planning Process Certification Report	Spring 2010
G. Disadvantage Business Enterprise	June 2010
H. Update Complementary Paratransit Plan	January 2010
I. Program Support Activities	On-going activity
J. Short Range Transportation Planning Activities	On-going activity
K. Planning Emphasis Activities	On-going activity
L. National Transit Database Reporting	On-going activity

Brian Praeuner (05/15/09)

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**TRANSIT PLANNING PROGRAM  
FUNDING SUMMARY  
F.Y. 2009-10**

	FTA Section 5303	FTA Section 5307	City of Lincoln	TOTALS
Section 5303	\$105,386	\$0	\$26,347	\$131,733
Section 5307	\$0	\$36,084	\$9,020	\$45,104
TOTALS	\$105,386	\$36,084	\$35,367	\$176,837

**TRANSIT PLANNING PROGRAM  
 FUNDING BY TASK  
 F.Y. 2009-10**

	FEDERAL DOLLARS		CITY MATCH		Total
	Section 5303	Section 5307	Section 5303	Section 5307	
44.21.00 Program Support & Administration	33,723	11,546	8,431	2,887	56,587
44.22.00 General Development/Comprehensive Planning	2,108	721	527	180	3,536
44.23.02 Long Range Transportation Planning	3,161	1,085	790	271	5,307
44.24.00 Short Range Transportation Planning	40,048	13,712	10,012	3,428	67,200
44.25.00 Transportation Improvement Program	2,108	721	527	180	3,536
44.26.14 Planning Emphasis Areas	12,646	4,330	3,162	1,082	21,220
44.27.00 Other Activities	11,592	3,969	2,898	992	19,451
<b>TOTALS</b>	<b>\$105,386</b>	<b>\$36,084</b>	<b>\$26,347</b>	<b>\$9,020</b>	<b>\$176,837</b>

Brian Praeuner (05/15/09)

**IX. ENVIRONMENTAL STUDIES, PROGRAMS AND COORDINATION – 6800**

**A. Environmental Planning (6810)**

Objective:

Continue a dialogue with City, County and Statewide agencies partners regarding ways all agencies can become involved in important environmental issues resulting in enhanced programs and maintain an emphasis on the integration of environmental values in the decision making processes.

Previous Work:

- *Crescent Green Park Study* is an attempt to establish a Greenbelt that would extend along Salt Creek from the north end of Wilderness Park to the north edge of the City of Lincoln (1977).
- *Wilderness Park Study* integrates the findings of a number of studies of Wilderness Park and makes recommendations for a park management plan and considerations for the area surrounding the Park. Studies included an *Ecosystem Report of Wilderness Park*, *Salt Creek at Wilderness Park Hydrologic Study*, *S1-S2 Subarea Transportation Study* and the *Wilderness Park Public Involvement Report* as well as supplementary reports.
- *Natural Resources - Geographic Information System (NRGIS) Interpretive Summary* brings together importation natural resources information in digital form about Lancaster County for use in the community’s on-going planning process.
- A Greenprint Challenge was undertaken in approach to planning urban and rural developments.

Methodology:

- The *Lincoln-Lancaster Comprehensive Plan* is a local resource of environmental principals and strategies for long term planning activities.
- Will continue to work with local and state agencies building on past planning activities and developing environmental action plans to target environmental issues.

Products:

- A. Further develop the transportation and environmental planning linkages with local, regional, state and federal environmental agencies.
- B. Integration of environmental and transportation plans with planning activities of local, regional and state agencies to identify possible programs that can address local environmental issues.
- C. Strengthen the emphasis of environmental values by further incorporating environmental planning in the transportation planning process.

Funding Summary:

Combination of Local and Federal PL Funds

Functional Agency Responsibility:

Local, 100%

Schedule of Products	Completion Dates
A. Further develop MPO planning linkages with environmental agencies	On-going activity
B. Integration of environmental and transportation planning activities	On-going activity
C. Emphasize environmental values in transportation planning process	On-going activity

**B. Urban Air Quality Planning (6820)**

Objective:

The minimization of air pollution such that the health and welfare of the public is optimized.

Ongoing Work:

Since February of 1989, Lincoln has been designated by U.S. EPA as being in attainment for all the National Ambient Air Quality Standards (NAAQS). An ambient air quality monitoring program, operated by the LLCHD, monitoring for Carbon Monoxide (CO), particulate matter less than 2.5 microns in diameter (PM2.5), and ozone has been in place for many years. In addition to monitoring activities, the Lincoln-Lancaster County Health Department (LLCHD) also conducts periodic computer modeling exercises to quantify transportation related air emissions.

Types of Monitoring Activities:

**PM 2.5** Monitoring for particulate matter less than 2.5 microns in diameter (PM2.5) was begun in late 1998 to evaluate the potential impact of this pollutant on community health. Data indicates levels of PM2.5 are well below the NAAQS standard. In June of 2006, continuous real-time monitoring for PM 2.5 was initiated and monitoring will continue to define the contribution of transportation activities to PM2.5 levels, whether through modeling or other analysis.

**Air Toxics** Data indicates that some of the public health risk associated with exposure to hazardous air pollutants, as defined in the Clean Air Act, is contributed by mobile sources. The LLCHD continues emissions inventory work to characterize emissions of air toxics from on-road vehicles.

**Ozone** Monitored levels of ozone in Lincoln-Lancaster County continue to be lower than both the 1-hour and 8-hour ozone NAAQS, including the newly proposed lower 8 hour standard. LLCHD will continue to monitor for ozone and specifically will strive to forecast future concentrations.

**Carbon Monoxide** Between June, 1986, and April, 1988, there were three exceedances of the eight-hour CO NAAQS. Because of the method for determining violations however, no violations had officially occurred. Continual monitoring showed eight quarters (2 years) had passed without a violation of the standard. In February 1989, that re-designation was finalized and Lincoln was officially designated by U.S. EPA as in attainment for all the NAAQS.

Ongoing Activities: Emission Inventory, Modeling, and Air Monitoring:

- LLCHD will continue to monitor ambient air for CO, PM2.5, and Ozone. Data is recorded and 1-hour, 8-hour, 24-hour, and annual averages are computed. In order to assess the impact of emissions from mobile sources, a comprehensive emission inventory is conducted on a regular basis using standard, EPA-approved models and emission calculation methods.
- The LLCHD will continue to cooperate with the Lincoln-Lancaster County Planning Department, the Public Works and Utilities Department, the MPO and Nebraska Department of Roads to understand and quantify emissions related to the transportation system.

Funding source:

Combination of local and federal funds.

Functional Agency Responsibility:

Local, 100%.

Schedule of Products	Completion Dates
A. Comprehensive emission inventory is conducted using standard	On-going activity
B. Continue to cooperative planning efforts with the MPO	On-going activity

**C. Flood Plain Management Program Coordination (6830)**

Objective:

This program is to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions by sound management of flood hazard areas. To accomplish this an integrated watershed management program is to be developed and maintained that will take a comprehensive, proactive approach to floodplain and stormwater management.

Previous Work:

- The City's portion of floodplain mapping efforts were completed in Beal Slough, Southeast Upper Salt Creek (SEUSC), Stevens Creek, Salt Creek and Deadmans Run. FEMA is expected to adopt all the new mapping in late 2009 or early 2010.
- On-going Watershed Management program efforts, to address floodplain and stormwater issues and to meet the requirements of the City's draft MS4 NPDES permit for water quality.
- Completed a watershed master plan for the Deadmans Run watershed which identified capital projects to remove several hundred properties from the floodplain.
- On going watershed master plan for Little Salt Creek watershed. The watershed includes habitat for the endangered Salt Creek Tiger Beetle.
- Completed a study for a detention facilities in the Salt Creek watershed to reduce Salt Creek flood flows.

Methodology:

The following activities are anticipated to be initiated, developed, or completed in FY 2009-2010:

- Complete the FEMA process for updating the floodplain maps which will include digital maps for Beal Slough, Southeast Upper Salt Creek, Cardwell Branch, Deadmans Run, and Salt Creek.
- Continue to coordinate with the Corps of Engineers and the Lower Platte South NRD regarding the Antelope Valley flood control project.
- Continue to disseminate floodplain information to the public; utilize web technology and GIS to increase the range of information available;
- Complete a watershed master plan for the Little Salt Creek watershed to improve water quality and stream stability.
- Design of a flood control project located along the Beal Slough Channel near the Nebraska State Penitentiary
- Design and construct several water quality best management practice projects throughout the City of Lincoln.
- Ongoing No-Low phosphorous fertilizer education program in the Holmes Lake watershed
- Began a program to construct 50 rain gardens on private property throughout the City of Lincoln.

Products:

The Floodplain Management products will include studies, reports, and amendments to regulations and maps, as needed; provide data upon request. The watershed master planning project will include basin master plans for a range of watersheds that will ultimately be brought together as a unified Master Watershed Plan for the City of Lincoln and environs.

Funding source:

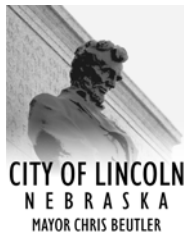
Combination of local, state, and federal funds.

Functional Agency Responsibility:

Local, 100%.

**END**





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