

A detailed map of Southeastern Wisconsin, showing county boundaries, major roads, and water bodies. A thick, dark, irregular line outlines a watershed area. A vertical orange shaded band highlights a specific region within this watershed, extending from the top center towards the bottom center. The text 'OVERALL WORK PROGRAM-2006 SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION' is overlaid in large, bold, black letters across the center of the map.

**OVERALL WORK  
PROGRAM-2006  
SOUTHEASTERN  
WISCONSIN REGIONAL  
PLANNING COMMISSION**

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REGIONAL PLANNING COMMISSION**

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## RESOLUTION NO. 2005-28

### RESOLUTION OF THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION APPROVING THE 2006 OVERALL WORK PROGRAM

WHEREAS, the Southeastern Wisconsin Regional Planning Commission is charged with the responsibility of carrying out a long-range comprehensive planning program for the seven counties in the Southeastern Wisconsin Region and, as a part of that program, is presently engaged in a continuing, comprehensive, areawide, cooperative land use-transportation planning process pursuant to the provisions of the Federal Aid Highway Act of 1962 and the Federal Urban Mass Transportation Act of 1964, as amended by the Federal Intermodal Surface Transportation Efficiency Act of 1991, the Transportation Equity Act for the 21st Century of 1998, and the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users of 2005; and

WHEREAS, the Southeastern Wisconsin Regional Planning Commission has been designated by the Governor of the State of Wisconsin as the official cooperative, comprehensive, continuing, areawide transportation planning agency (Metropolitan Planning Organization, or MPO) under the rules and regulations promulgated by the U.S. Department of Transportation, Federal Highway Administration and Federal Transit Administration, with respect to the Kenosha, Milwaukee, Racine, and Wisconsin portion of the Round Lake Beach urbanized areas; and

WHEREAS, the Southeastern Wisconsin Regional Planning Commission has prepared transportation plans for the Region which are consistent with applicable federal laws and regulations; and

WHEREAS, the transportation planning process conducted by the Commission specifically meets the Federal planning requirements set forth in the Code of Federal Regulations (23 CFR 450); and

WHEREAS, the aforesaid rules and regulations promulgated by the U.S. Department of Transportation, Federal Highway Administration and Federal Transit Administration, require that the MPO shall develop and approve an overall work program outlining the transportation planning tasks and projects to be undertaken in any given year; and

WHEREAS, the Southeastern Wisconsin Regional Planning Commission has, in carrying out its responsibilities as the MPO, prepared a draft overall work program for 2006, and submitted that draft work program to all concerned State and local officials; and

WHEREAS, the draft 2006 overall work program was reviewed with the cognizant Federal and State agencies at a meeting held on November 3, 2005, with the result that certain changes have been made and incorporated into a document entitled, *Overall Work Program-2006, Southeastern Wisconsin Regional Planning Commission*.

NOW, THEREFORE, BE IT HEREBY RESOLVED:

FIRST: That in accordance with 23 CFR 450.334, the Southeastern Wisconsin Regional Planning Commission hereby certifies that the regional transportation planning process is addressing the land use and transportation planning issues of the metropolitan planning area, and is being conducted in accordance with all applicable federal requirements of:

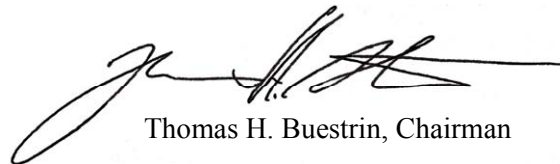
1. 23 U.S.C. 134 and 49 U.S.C. 5303-5306;

2. Sections 174 and 176 (c) and (d) of the Clean Air Act as amended (42 U.S.C. 7504, 7506 (c) and (d)).
3. Title VI of the Civil Rights Act of 1964 and Title VI assurance executed by the State of Wisconsin under 23 U.S.C. 140 and 29 U.S.C. 794;
4. Section 1101 of the Transportation Equity Act for the 21st Century (Pub. L. 105-178) regarding the involvement of disadvantaged business enterprises in the FHWA and the FTA funded planning projects (Sec. 105 (f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23); and
5. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and U.S. DOT regulations "Transportation for Individuals with Disabilities" (49 CFR Parts 27, 37, and 38).

SECOND: That the programs, tasks, and projects proposed to be undertaken as described in the document entitled, *Overall Work Program-2006, Southeastern Wisconsin Regional Planning Commission*, are hereby endorsed and approved.

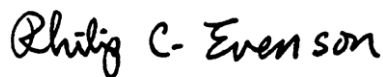
THIRD: That a true, correct, and exact copy of this resolution and the document entitled, *Overall Work Program-2006, Southeastern Wisconsin Regional Planning Commission*, shall be transmitted to the Wisconsin Department of Transportation, the Federal Highway Administration, the Federal Transit Administration, and any other State and Federal agencies as may be deemed appropriate by the Commission Executive Director.

The foregoing resolution, upon motion duly made and seconded, was regularly adopted at the meeting of the Southeastern Wisconsin Regional Planning Commission held on the 7th day of December 2005, the vote being: Ayes 14; Nays 0.



Thomas H. Buestrin, Chairman

ATTEST:



Philip C. Evenson, Deputy Secretary

OVERALL WORK PROGRAM—2006  
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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## **Chapter I**

### **INTRODUCTION**

#### **THE REGIONAL PLANNING COMMISSION**

The Southeastern Wisconsin Regional Planning Commission was established in 1960 under Section 66.0309 of the Wisconsin Statutes as the official areawide planning agency for the rapidly urbanizing southeastern region of the State. The work of the Commission by law is entirely advisory in nature. The Commission was created to provide the basic information and planning services necessary to solve problems which transcend the corporate boundaries and fiscal capabilities of the 154 local units of government comprising the seven county Region. The seven Southeastern Wisconsin counties of Kenosha, Milwaukee, Ozaukee, Racine, Walworth, Washington, and Waukesha are illustrated on Map 1.

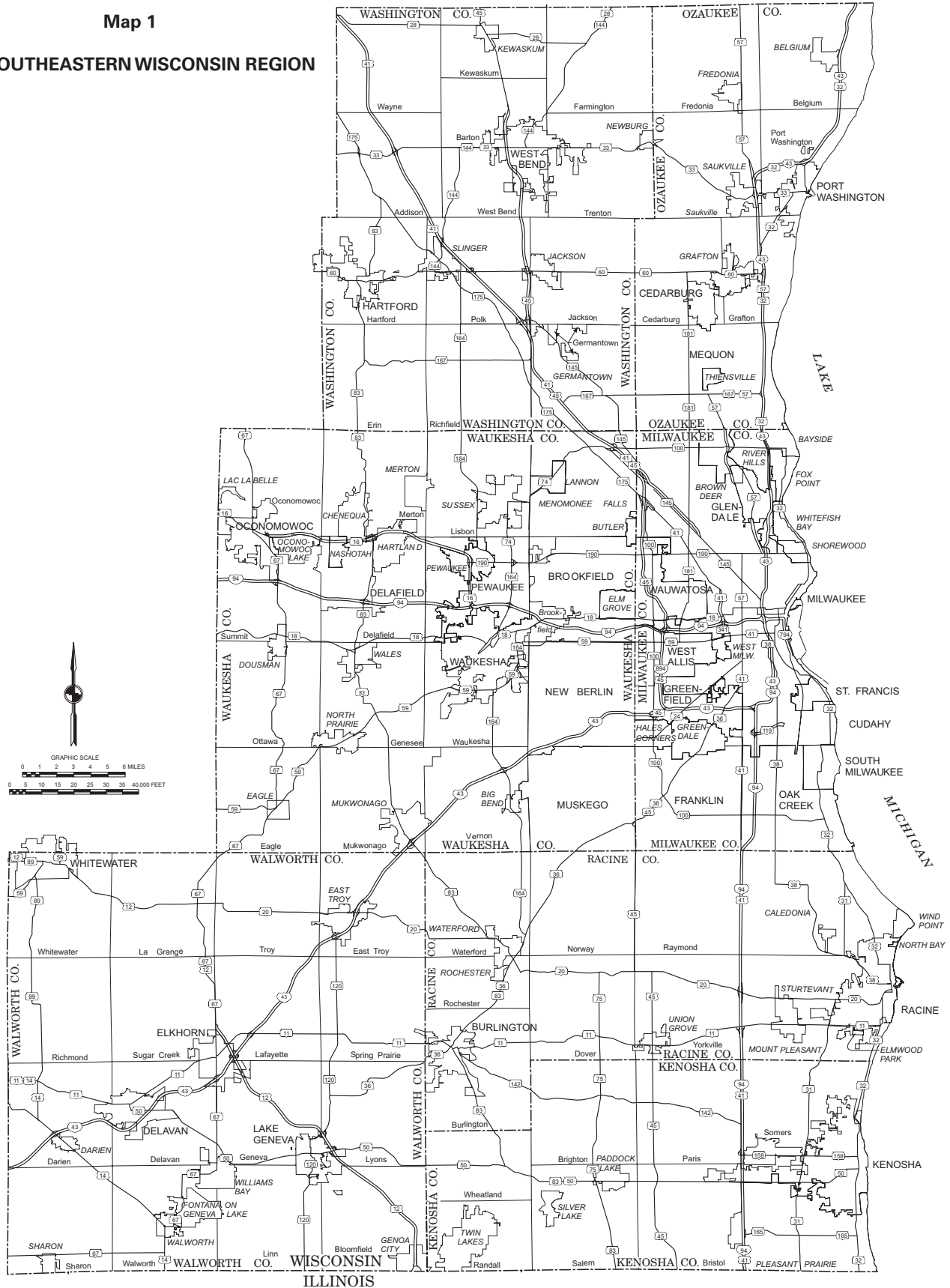
The Commission consists of 21 members, three from each of the seven member counties. The Commission is assisted in its work by numerous technical, citizen, and intergovernmental coordinating and advisory committees. These committees include both elected and appointed public officials and interested private citizens with knowledge in the Commission work areas. The committees perform a significant function in both the formulation and in the execution of the Commission work programs. The Commission staff consists of a core staff of full-time professional, technical, administrative, and clerical personnel, supplemented by additional temporary staff and consultants as required by the various work programs under way. The 2006 budget staff totaled 88, including 76 full-time and 12 part-time employees. The Commission staff is augmented from time to time by interagency staff assignments of professional and technical personnel. The Commission staff is organized into nine divisions. Six of these are planning divisions—Transportation, Environmental, Land Use, Telecommunications, Economic Development Assistance, and Community Assistance—and have direct responsibility for the conduct of the Commission's major planning programs. The remaining three divisions—Administrative Services, Geographic Information Systems, and Cartographic and Graphic Arts—provide day-to-day support of the six planning divisions.

#### **REGIONAL LAND USE AND TRANSPORTATION PLANNING**

The Regional Planning Commission is the metropolitan planning organization (MPO) for transportation planning purposes. As the MPO, the Commission relies extensively on its various transportation-related advisory committees for guidance on transportation policy and projects, including the preparation of regional transportation plans and improvement programs. In terms of procedure, the Commission charges each committee with a specific task or tasks. The committee then works with the Commission staff in carrying out that charge, submitting a final report to the Commission for its consideration as the MPO. The Commission then acts as the MPO to accept and endorse the committee's report, modify and endorse the committee's report, or reject the report and direct the committee to review and reconsider its recommendations.

The Commission has conducted regional planning for Southeastern Wisconsin for over 40 years, and initiated its first major transportation planning program in 1963. The Commission has always affirmed the need to conduct transportation planning in a cooperative and intergovernmental, as well as a sound technical, manner. All planning has been conducted on an integrated multi-modal basis, with highway, transit, and transportation systems management measures all given consideration since 1963. The planning has been conducted on a comprehensive basis with consideration given to the wide range of impacts of transportation, and the need to coordinate transportation planning with land use planning. The

**Map 1**  
**THE SOUTHEASTERN WISCONSIN REGION**



Source: SEWRPC.

Commission has emphasized the maintenance of a sound planning data base, since, without an intimate understanding of the current transportation system and of those factors that determine the need for transportation facilities and services of various kinds, sound transportation planning cannot be conducted. The Commission has conducted transportation planning in an integrated manner, with consideration given to regionwide and systemwide transportation coordination. The Commission, over the years, has also developed close working relationships with the local units of government in the Southeastern Wisconsin Region, including seven counties and 147 cities, villages, and towns, since the active participation of these units of government in the transportation planning process and the recommendations flowing out of that process are essential to plan implementation.

Current key transportation planning issues in Southeastern Wisconsin include:

- A need for extension of design year and update and reevaluation of the regional population and employment forecasts and land use and transportation plans. As needed, or at least every 10 years, the Commission conducts a major update and reevaluation of the regional plans. Annually, through the Commission's *Annual Report* and every three years through a review of the regional transportation plan, the Commission reviews the regional plans and determines whether the plans should be reaffirmed and, if needed, extended in terms of design year and modestly amended, or whether the plans should undergo a major reconsideration and update. This review of the regional plan considers the continued validity of plan forecasts, and the progress made towards implementation of the regional land use and transportation plans. The last major update and reevaluation of regional land use and transportation plans was initiated in 1990-1991 and was completed in 1994. The annual and triennial reviews of these plans have resulted in a continuing reaffirmation of these plans, along with minor amendment and design year extensions. However, even though the plans are still valid, it is time for a periodic major reevaluation, given the passing of 10 years since the last major reevaluation, and the availability of new year 2000 census data concerning the regional population, new year 2000 aerial photography documenting regional land use, and year 2001-2002 travel surveys describing travel habits and patterns. This reevaluation will be a two-year effort to be completed in 2006, and include new population, employment, and related forecasts for a new plan design year 2035; a new regional land use plan; and, major update and reevaluation of the regional transportation plan utilizing new travel survey data, new travel models (revalidated, refined, and recalibrated), new travel forecasts, and consideration of plan implementation to date. This was a major Commission planning effort in the year 2005 and will continue through the first quarter of 2006.
- A need to reconsider the jurisdictional highway system plans for each of the seven counties, both the arterial street and highway improvements recommended in each plan, and the jurisdictional responsibility recommendations of each plan. To address concerns about jurisdictional responsibility, there will be a need to review and re-estimate the criteria for jurisdictional classification—trip service, land use service, and operational characteristics. The update of the arterial street and highway improvements will occur as part of the review and update of the regional transportation plan and be completed in early 2006. The update of the jurisdictional responsibility recommendations for each county will occur in 2006 and 2007 following the review and update of the regional transportation plan.
- A need to continue to assist in the guidance of the operation and development of the transit systems of the region through the continuing preparation of three- to five-year short-range plans. In 2006, short-range plans will be prepared for the Milwaukee County transit system, the City of Kenosha transit system, and the City of Racine transit system. Each system faces issues concerning service performance, improvement, and extension.

- A need to support preliminary engineering studies of arterial street and highway improvements, including assisting in identifying need, considering alternatives, and providing traffic forecasts and analyses.
- A need to coordinate regional transportation forecasts and planning with air quality planning conducted by the Wisconsin Department of Natural Resources. The Commission has the responsibility to analyze and determine the conformity of regional transportation plans and programs with the State of Wisconsin Air Quality Implementation Plan (SIP). The conformity of the regional plan must be assessed at least every three years, and of programs at least every two years, and whenever plans and programs are amended. The Commission staff also has been working with WisDOT and WDNR staff to assure that there will be minimal potential for conformity failure. The Commission staff is participating with WDNR and WisDOT staffs and other interests in establishing the SIP budget for the transportation sector which will be used to establish regional transportation plan and program conformity.

### **SCHEME OF PRESENTATION**

Chapters II through XI set forth the detailed 2006 work programs for the regional land use, transportation-telecommunications, water quality management, floodland management, coastal management, planning research, community assistance, economic development, and administrative work programs. Each chapter includes descriptions for each individual project contained within the work program.

Chapter XII summarizes for each of the work programs a program budget, an activity schedule, and a resource summary.

## Chapter II

### PROPOSED 2006 REGIONAL LAND USE PLANNING PROGRAM

#### INTRODUCTION

The proposed 2006 regional land use planning program consists of five projects divided into three basic tasks as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Database Development	100-1000	Land Use Inventory
	100-2000	Land Platting Inventory and Special Environmental Assessments
Plan Extension and Refinement	110-1000	Plan Implementation and Community Assistance
	110-2000	Regional Park and Open Space Implementation
Long-Range Planning	120-1000	Year 2035 Regional Land Use Plan

The balance of this chapter consists of the presentation of individual project descriptions. The program budget is summarized in Chapter XII.

## **PROJECT 100-1000: LAND USE INVENTORY**

### **Objective**

To monitor change in land development in the Region and provide a current land use data base for use in all Commission planning activities.

### **Previous and Current Work**

Regional land use inventories have been completed by the Commission on a periodic basis since 1963. A regional land use inventory for the year 2000 was completed in 2004. A companion inventory of existing (2000) and planned environmental corridor was also completed. As part of the year 2000 land use and environmental corridor inventories, land use and environmental corridor data were adjusted to match cadastral data where cadastral data are available—about 90 percent of the total area of the Region. Remaining work involves the adjustment of the 2000 land use and environmental corridor inventories to a cadastral base for the balance, (10 percent) of the Region.

### **Relationship to Other Activities**

The regional land use inventory and the companion environmental corridor inventory provide benchmark data on existing and historic land use and environmentally significant lands in the Region—data that are essential to the Commission’s land use planning, transportation planning, water quality planning, and community assistance planning programs. In addition, the land use and environmental corridor inventory data are made available to county and local units of government and private interests in support of a wide range of public and private planning efforts.

### **Work Description/Methodology**

During 2006, the year 2000 land use and environmental corridor inventories will be adjusted to match cadastral information for the remaining 10 percent of the Region, to the extent that the requisite cadastral information becomes available. This adjustment increases the precision of the land use inventory and makes it more useable by public agencies and private interests throughout the Region. The adjustment will also increase the efficiency of future land use inventory updates.

### **Schedule**

The adjustment of the year 2000 land use and environmental corridor inventories to a cadastral base will be carried out throughout 2006, as cadastral data for the remainder of the Region become available.

### **Products**

Digital map files resulting from the above-described inventory work.

### **Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$16,000	\$2,000	\$2,000	\$20,000

## **PROJECT 100-2000: LAND PLATTING INVENTORY AND SPECIAL ENVIRONMENTAL ASSESSMENTS**

### **Objective**

To monitor current regional development patterns in relation to the adopted regional land use plan.

To provide inventory data, assessments, and evaluations, including field inspections and boundary stakings, of woodlands, wetlands, prairies, wildlife habitats, natural areas, critical species habitats, and fish and other aquatic life habitats in the Region.

### **Previous and Current Work**

An historic platting inventory was initially completed for the Region in 1969; the inventory data have been updated annually since.

The conduct of detailed environmental inventories and assessments is an ongoing activity. Each year the Commission staff responds to numerous requests from State, county, and local units and agencies of government for detailed natural resource base information for potential development sites or other sites of concern.

### **Relationship to Other Activities**

The platting inventory provides a basis for monitoring current development activity in the Region in relation to the regional land use plan. The results of the platting inventory are also used in the preparation of each new generation of the regional land use plan and in the preparation of county and local comprehensive plans under the Commission's community assistance planning program.

The special environmental inventories and assessments precisely establish the boundaries of natural resource base features, thereby indicating how the open space recommendations of the regional plan apply to individual properties, an important step in plan implementation. In addition, the results of the special environmental inventories are incorporated into the Commission's natural resource base files, which are used in many of the Commission's planning programs.

### **Work Description/Methodology**

As part of the platting inventory, copies of all subdivision plats recorded in 2005 will be obtained from the Wisconsin Department of Administration and from county Register of Deeds offices, as appropriate. Selected data—including the subdivision name, location by minor civil division and U.S. Public Land Survey quarter-section, date of recording, number of lots, lot size, dedicated areas, and type of sanitary sewerage facilities—will be computer encoded.

The special environmental inventories involve site-specific inventories of woodlands, wetlands, prairies, wildlife habitats, and fish and aquatic life habitats; provision of species lists, noting any rare, endangered, or threatened species present; evaluation of the ecological value of the site and its significance within the Region; and an assessment of any environmental impacts attendant to proposed public projects, upon request.

### **Schedule**

The platting inventory update will be completed by April, 2006.

The detailed environmental inventories and assessments will be conducted throughout 2006.

**Products**

The results of the platting inventory will be summarized in a set of tables, maps, and figures in the Commission *2005 Annual Report*.

The special environmental inventories and assessments will be documented in letter reports describing and evaluating the environmental quality of the sites concerned.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$290,200	\$290,200



## **PROJECT 110-1000: PLAN IMPLEMENTATION AND COMMUNITY ASSISTANCE**

### **Objective**

To foster implementation of the regional plan by providing technical assistance to public agencies and private interests on land use and natural resource planning matters; by disseminating land use and natural resource base data to public agencies and private interests; and by assisting county and local units of government in the preparation of local plans which refine and detail the regional plan. Achieving more substantial implementation of the regional land use plan was a key goal identified by the Commission's Advisory Committees on Regional Land Use Planning and Transportation Planning. The purpose of this effort is to achieve such implementation by refining and detailing the regional plan for counties and communities in the preparation of their county and community comprehensive and park and open space plans. These efforts also include public involvement and education with respect to regional land use planning.

### **Previous and Current Work**

During 2005, the Commission staff completed a master plan for the Town of Lafayette, which was adopted by both the Town Plan Commission and Town Board in September 2005. The Commission staff also completed work and completed planning reports documenting a master plan for the Village of Hartland and a cluster development plan for a neighborhood encompassing portions of the Village of Hartland, Village of Merton, and Town of Merton. Work was completed on a design plan for the STH 36 corridor in Racine County. Work was also completed on a park and open space plan for the Town of Salem, and work continued on updating the park and open space plan for the City of West Bend.

The Commission continued work in 2005 on a multi-jurisdictional comprehensive plan for Ozaukee County and 14 participating cities, towns, and villages. Work in 2005 included conducting a countywide and local public opinion surveys, assisting in the development and adoption of local public participation plans, conducting the first round of public informational meetings, and drafting the first five chapters of the report documenting the plan for review by the Advisory Committee and the County Board committee overseeing development of the plan. The Commission staff continued to serve on the advisory committee and an element workgroup for the multi-jurisdictional comprehensive plan for Waukesha County, which is a joint effort between the County and 27 cities, towns, and villages.

Work was initiated on a multi-jurisdictional comprehensive plan for Washington County and 11 local governments (one village and 10 towns) in August 2005. An advisory committee and three workgroups have been established to oversee the planning work and work has begun on a countywide public opinion survey and on the inventory chapters of the plan report. The Commission also produced a number of maps for the Town of Norway to be used by Town officials to develop policies to guide the review of land use development proposals.

During 2005, the Commission continued to review, on request, local comprehensive, master, and land use plans and cooperative boundary agreements, evaluating their conformity with adopted regional plans in each case. The Commission staff reviewed, and provided extensive comments regarding the draft comprehensive plans prepared by the Village of Slinger, the Village of Paddock Lake, and a joint plan for the Town of Randall and Village of Twin Lakes.

The Commission has continued meeting with County and local governments throughout the Region to develop work programs and seek agreements between County and local units of government to prepare multi-jurisdictional County-local comprehensive plans in Kenosha, Racine, and Walworth Counties. Such plans would be intended to refine and detail the regional plans and to meet Wisconsin's comprehensive planning requirements.

The provision of planning data and technical assistance to public agencies and private interests is an ongoing activity. In a typical year, the Commission staff responds to about 400 requests for information from its land use and natural resource base data files.

### **Relationship to Other Activities**

The regional plan is intended to be refined and detailed through the preparation of county- and local-level plans. As it assists counties and communities in such refinements, the Commission encourages them to incorporate regional land use plan recommendations regarding the location and intensity of future urban development, the preservation of environmentally significant areas, and the maintenance of rural character outside planned urban service areas; and to incorporate regional transportation system plan recommendations regarding arterial streets and highways, transit, airports, and bicycle and pedestrian ways. As it assists counties and communities in preparing plans which refine and detail the regional plan, the Commission structures such work in a way that is consistent with the 1999 State comprehensive planning law and the nine elements of a comprehensive plan prescribed under that law.

The provision of land use and natural resource base inventory data and related regional plan data to public agencies and private interests and the provision of technical assistance on land use and natural resource planning matters are key to the Commission's effort to foster regional plan implementation. With ready access to Commission planning data and technical assistance resources, public agencies and private interests can more readily formulate development plans consistent with the regional plan.

### **Work Description/Methodology**

The Commission will continue to assist county and local units of government in the preparation of plans which refine and detail the regional plan. During 2006, Commission work efforts in relation to local land use planning will focus on developing multi-jurisdictional County-local comprehensive plans. The Commission will continue to prepare local park and open space plans in response to requests from local communities. Preparation of the multi-jurisdictional comprehensive plans and local park and open space plans will include the conduct of inventory, analysis, forecast, plan design, plan evaluation, and report preparation work attendant to such plans. These work efforts include extensive public participation, including, in many cases, the use of community surveys. These efforts will be carried out within the framework of the State comprehensive planning law set forth in Section 66.1001 of the Wisconsin Statutes.

The Commission will continue to respond to requests from public agencies and private interests for land use and natural resource base inventory data and related regional plan data from Commission files. Types of data to be provided include planning-related soils data; information on historic, existing, and planned land use; information on environmental corridors, isolated natural resource areas, and other environmentally sensitive areas; and information on soils well suited for agricultural use.

The Commission will continue to review locally prepared comprehensive and public facility plans and boundary agreements as to their conformity with the regional plan.

### **Schedule**

As part of efforts to refine and detail the regional plan, the Commission staff in 2006 will complete work publication on a master plan for the Town of Lafayette and a local park and open space plan for the Town of Salem. An update to the park and open space plan for the City of West Bend will also be completed.

The Commission will continue its work on multi-jurisdictional comprehensive plans for Ozaukee and Washington Counties. Work on the Ozaukee County plan during 2006 will include the identification of planning issues, goals, and objectives through a series of public meetings and the preparation of four of

the nine required plan elements. Work on the Washington County plan will include the collection and documentation of plan inventories and a series of public informational meetings to present the results of the inventories and to begin work on identifying plan goals and objectives. The Commission staff also expects to initiate work on multi-jurisdictional comprehensive plans for Kenosha, Racine, and Walworth Counties in 2006. The Commission will also continue to serve on advisory committees for the Waukesha County multi-jurisdictional comprehensive plan and provide data and technical assistance as requested by the County.

The Commission will work and coordinate with each municipality in Milwaukee County as they proceed with comprehensive plan preparation, and will provide comments on draft comprehensive plans provided by local governments for Commission review.

The provision of land use and natural resource base data and the provision of technical assistance on land use and natural resource planning matters to public agencies and private interests will continue throughout 2006, as will the review of locally prepared land use and public facility plans.

**Products**

Community assistance planning reports documenting county and local plans which refine and detail the regional plan and memorandum reports documenting special-purpose technical assistance efforts.

Responses to requests for land use and natural resources base data from Commission files, typically in the form of letter reports, with appropriate tables, figures, and aerial photographs included as attachments.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$760,000	\$95,000	\$95,000	\$950,000

## **PROJECT 110-2000: REGIONAL PARK AND OPEN SPACE IMPLEMENTATION**

### **Objective**

To foster implementation of the regional park and open space plan by providing park and open space planning data and technical assistance on matters concerning park development and open space preservation to counties; and by assisting them in preparing refinements of the regional park and open space plan.

### **Previous and Current Work**

The provision of park and open space planning data and related technical assistance is an ongoing activity. An example of technical assistance is the detailed evaluation of the natural and recreational values of park and open space lands considered for sale or other disposition by Milwaukee County; two to four such evaluations are completed in a typical year. Also in 2005, the Commission continued work on a park and open space plan for Milwaukee County.

### **Relationship to Other Activities**

Park and open space plans prepared by the Commission on a cyclical basis for each of the counties in the Region are adopted by the Commission as amendments to the regional park and open space plan. The preparation of county plans by the Commission cooperatively with each county thus serves to update and extend the regional park and open space plan.

In addition to addressing outdoor recreation needs, each park and open space plan prepared by Commission refines and details the open space preservation recommendations of the regional plan—including recommendations pertaining to the preservation of environmental corridors. Such plans also incorporate the recommendations of the regional bicycle facilities plan, integrating those recommendations into recreation corridor systems, as appropriate.

### **Work Description/Methodology**

The Commission will continue to respond to requests from public agencies and private interests for park and open space planning data and requests for technical assistance on park and open space planning matters. Types of data to be provided include information on existing and potential park and open space sites, the existing natural resource base, and park and open space planning standards. Technical assistance may include feasibility studies with respect to specific park and open space sites.

The Commission will continue to review, on request, locally prepared park and open space plans for conformity with the regional plan.

The Commission will continue to assist units of government in preparing park and open space plans which refine and detail the regional plan.

### **Schedule**

The provision of park and open space planning data and related technical assistance will continue throughout 2006.

The Commission will complete work on the preparation of a new park and open space plan in for Milwaukee County in 2006.

**Products**

Responses to requests for park and open space data from Commission files and requests for technical assistance on park and open space planning matters, typically in the form of letter reports, with appropriate maps, tables, figures, and aerial photographs included as attachments.

Community assistance planning reports documenting plans which refine and detail the regional park and open space plan.

**Funding Source**

<u>SEWRPC</u> <u>(tax levy)</u>	<u>SEWRPC</u> <u>(service agreements)</u>	<u>Total</u>
90%	10%	100%
\$68,000	\$7,500	\$75,500

## **PROJECT 120-1000: YEAR 2035 REGIONAL LAND USE PLAN**

### **Objective**

To complete the year 2035 regional land use plan by refining and detailing the residential component of the land use plan, resulting in a housing plan element as another part of the comprehensive plan for the Southeastern Wisconsin Region.

### **Previous and Current Work**

In 2005, the Commission completed the basic framework of a land use plan for the Southeastern Wisconsin Region to the year 2035. The year 2035 plan represents the fifth generation regional land use plan, prior plans having been prepared for the design years of 1990, 2000, 2010, and 2020. The year 2035 land use plan includes recommendations for urban service areas, environmentally significant lands, and rural areas in the seven-county Region. The plan includes a database of planned population, households, and employment levels and land use for the Region that is adaptable for use in a wide range of regional and local planning activities. Remaining work on the year 2035 regional land use plan involves the refinement and detailing of the residential component of that plan, resulting in a housing element for the comprehensive regional plan.

### **Relationship to Other Activities**

The regional land use plan serves as the key element of the comprehensive plan for the Southeastern Wisconsin Region. All of the other elements of the regional comprehensive plan—including the transportation element, water quality management element, and park and open space element—are prepared within the framework of the regional land use plan. The regional land use plan is also recommended for use by counties and communities as an overall framework for, and point of departure for, the preparation of county and local comprehensive plans. The refinement and detailing of the residential component of the regional land use plan will make the plan even more useful as a basis for other regional, as well as county and local planning efforts.

### **Work Description/Methodology**

In 2006, the residential element of the regional land use plan will undergo refinement and detailing, addressing availability, location, and density of housing. This refinement and detailing will provide a housing element of the regional plan. The distribution of jobs in the Region as envisioned in the regional land use plan will be an important consideration in the preparation of the regional housing plan element. The housing planning work will include an inventory and analysis of the existing housing stock and housing occupancy characteristics; the formulation of housing objectives and standards; and the preparation of a housing plan element intended to achieve those objectives and standards. The housing plan element may be expected to provide refined household and housing unit location and density data for use in regional transportation modeling and planning.

### **Schedule**

The refinement and detailing of the residential component at the regional land use plan – and the resulting housing unit element for the comprehensive plan for the Regional will be completed in fall 2006.

### **Products**

The process of refining and detailing the residential component of the regional land use plan and the resulting housing plan element will be documented in a Commission planning report. The planning report will summarize the housing inventory and analysis findings; present the underlying plan objectives and standards; and describe the plan and related plan implementation recommendations.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$200,000	\$25,000	\$25,000	\$250,000

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### Chapter III

## PROPOSED 2006 REGIONAL TRANSPORTATION PLANNING PROGRAM

### INTRODUCTION

The proposed 2006 regional transportation planning program consists of eleven projects as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Data Base and Assistance	200-1000	Transportation Planning Support and Assistance: Data Collection and Development, Model Refinement, and Technical Assistance
Transportation Systems Management and Programming	210-1000	Short-Range Transportation Improvement Programming and Transit Planning
Long-Range Planning and Plan Implementation	220-1000	Long-Range Transportation Planning and Plan Implementation
Telecommunications Planning Program	250-1000	Organization and Study Design
	250-1001	Wireless Antenna Site and Related Infrastructure Plan
	250-1002	Public Enterprise Telecommunications Network
	250-1003	Composite Regional Telecommunications Plan
Milwaukee County Projects	270-1000	Milwaukee County Transit System Short-Range Planning and Programming
Wisconsin Center District Project	280-1000	Milwaukee Downtown Transit Connector Study
Kenosha, Milwaukee, and Racine Cities and Counties and WisDOT Project	290-1000	Continued Planning/Environmental Assessment of Kenosha-Racine-Milwaukee Commuter Rail

The balance of this chapter consists of the presentation of individual project descriptions. The program budget is summarized Chapter XII.

**PROJECT 200-1000: TRANSPORTATION PLANNING SUPPORT AND ASSISTANCE:  
DATA COLLECTION AND DEVELOPMENT, MODEL REFINEMENT,  
AND TECHNICAL ASSISTANCE**

**Objective**

- To maintain and provide data for transportation planning, including the existing and historic supply and use of transportation facilities and services, existing and historic travel behavior, and current and planned future land use data.
- To maintain and refine as needed the simulation models developed and installed for transportation planning.
- To promote and assist in the implementation of the adopted regional plan by providing inventory and forecast data to public and private agencies and individuals, and by providing traffic engineering and transportation planning services to the units of government within the Region. This includes assistance to the Wisconsin Department of Transportation and local governments for local and statewide plan preparation, and facility preliminary engineering.

**Previous and Current Work**

- Transportation system data are collated annually with respect to arterial street and highway physical and operational characteristics and traffic volumes; automobile and truck availability; transit facilities and services, supply, cost, and ridership; and aviation demand. In U.S. census years and for years midway between census years, additional data are collected and developed, including data on highway and transit system networks and vehicle-miles of travel.
- Planned and alternative future land use data have been developed for the year 2035. Current land use data are developed for each U.S. census year and for years midway between each census year.
- Travel simulation models were developed in 1963, and recalibrated and revalidated in 1972, 1993, and 2005, using data from major travel surveys conducted in 1963, 1972, 1991, and 2001-2002. A review of models by the U.S. Department of Transportation was completed in 1997, and the refinements suggested were completed in 1998 and 1999.
- Data concerning the regional transportation system and system plan were provided through numerous letters, telephone calls, and meetings. Technical assistance was provided to local units of government and to State and Federal levels of government, including preparation or review of land development traffic impact studies; preparation of traffic estimates, forecasts, and levels of service for facility planning and engineering studies; assistance to transit system operators in the preparation of their budgets; evaluation of the hydraulic impacts of proposed new bridges; and preparation of facility, corridor, and municipal traffic engineering, systems management, and transportation plans. Under this project, the Commission staff provides assistance to the Wisconsin Department of Transportation (WisDOT), including traffic forecasts and participation on WisDOT advisory committees. Key efforts in recent years included a traffic engineering study of Main Street in the Village of Waterford, a traffic engineering and speed study for the Town of Delafield, a traffic impact study of removal of the Park East Freeway, a Washington County highway capital improvement plan; a study of the need for local road improvements in the absence of the long-planned STH 83 bypass; a study of two-way street operations in the City of Waukesha; analysis of the planned extension of N. 124th Street in the Village of Elm Grove; provision of travel data to the Marquette Interchange study and Milwaukee downtown transit connector study. and provision of traffic forecasts for several preliminary engineering studies, including studies pertaining to STH 38 in Racine County, the Calhoun Road-IH 94 interchange, STH 50 in Kenosha County, and STH 164 in Waukesha and Washington Counties.

### **Relationship to Other Activities**

This project provides essential travel and transportation system data, land use data, and travel simulation models for short- and long-range transportation planning.

### **Work Description/Methodology**

- Transportation data collection/collation includes the following:
  1. Traffic count data for 2005, which will be collated from secondary sources (principally Wisconsin Department of Transportation) and encoded into the highway network. The data will be used to prepare an estimate of year 2005 regional vehicle-miles of travel.
  2. Estimates of automobile and truck availability for 2005, which will be prepared from secondary sources (Wisconsin Department of Transportation).
  3. Inventories which will be conducted of the current year 2005 characteristics of public transit systems, including routes, headways, hours of operation, and fares (regional public transportation). Data will also be collated concerning ridership on each public transit system. The preparation of a year 2005 transit network will be initiated in 2006.
  4. Data on arterial street physical and operational characteristics essential to capacity estimation. The preparation of a 2005 arterial street and highway system network will be initiated. These data will be updated as necessary. In 2005 an inventory of arterial street system bicycle accommodation will continue, including bicycle lanes and parallel off-street bicycle paths.
- Transportation planning support land use data development includes the following:
  1. Initiation of preparation of estimated year 2005 travel model input data.
  2. Continuing inventories of vacant platted lots, developable land, and public utilities.
- Travel simulation model maintenance and refinement includes the following:

#### Travel Model Review and Recalibration

The Commission travel simulation models will be reviewed, refined, and recalibrated with new travel survey data. This work, along with the validation of these revised models, will largely be completed in 2005, and will be a major work effort of the Commission staff. Some additional refinement and validation will be completed in 2006.

#### Travel Data Analysis

The Commission expects to complete in 2006 a number of analyses of the travel survey data collected in 1991 and 2001, including analyses of variation of trip length and trip frequency. The Commission will begin extending the analysis to historic survey data.

- Transportation planning data provision and technical assistance will include the following:
  1. Provision to public agencies and private interests of data and technical assistance through letters, meetings, and memorandums to guide transportation and land use decisions to implement regional land use and transportation plans.
  2. At the request of local municipalities, the Commission will conduct special transportation studies, including traffic impact studies, highway access plans, and short-range and long-range highway corridor or community plans.

3. At the request of the Wisconsin Department of Transportation, and constituent county and local governments, the Commission will provide traffic forecasts for use in arterial street and highway preliminary and final engineering and design.
4. The Commission will continue to participate in and assist the Wisconsin Department of Transportation in, statewide transportation planning efforts, including the State Multi-Modal Plan Update, and the Local Roads and Streets Council.

**Schedule**

Addressed in discussion of work description.

**Products**

- Transportation system use and supply data for existing condition and historical trend analysis.
- Base and design year land use and related data files by U.S. Public Land Survey quarter-section to support transportation modeling.
- Maintenance and refinement of travel simulation models and transportation system networks.
- Meetings, telephone conversations, letters, memorandums, community assistance planning reports, and travel and traffic data concerning the transportation system and the regional plan in an effort to promote plan implementation.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$280,000	\$35,000	\$35,000	\$350,000

**PROJECT 210-1000: SHORT-RANGE TRANSPORTATION IMPROVEMENT PROGRAMMING AND TRANSIT PLANNING**

**Objective**

- To prepare and maintain current the three-year transportation improvement program, including demonstration of the conformity of the transportation improvement program with the State Implementation Plan for Air Quality.
- To assist public transit operators in the Region in transit-related planning activities through the provision of staff services and data, including preparation of five-year transit development programs.

**Previous and Current Work**

Preparation of the 2005-2007 transportation improvement program (TIP).

Short-range transit plans for the City of Waukesha and Ozaukee and Waukesha Counties were completed in 2002 and 2003. Assistance was provided to Washington County in monitoring the effectiveness of commuter bus service provided under a CMAQ demonstration grant. Assistance was provided in the preparation of a grant application for the Milwaukee area and through the Wisconsin Employment Transportation Assistance Program.

**Relationship to Other Activities**

This project provides a refinement and staging of the transit element, and programming of all elements of the long-range regional transportation plan.

**Work Description/Methodology**

The Commission will complete a conformity analysis of the new year 2035 plan in early 2006 with respect to the new eight-hour ozone standards.

The Commission will initiate and complete in 2006 a 2007-2010 Transportation Improvement Program (TIP).

Also in 2006, Commission staff will continue to provide short-range planning support to the public transit operators within the Region, including preparation of new transit plans for the Kenosha transit system, the Racine transit system, and the Milwaukee County transit system. Other transit planning assistance will be provided to public transit operators within the Region upon their request.

**Schedule**

The new transit system development plans for the Kenosha and Racine areas and Milwaukee County will be completed in 2006. A 2007-2010 TIP will be completed in 2006.

**Products**

A transportation improvement program planning document, including air quality-related documentation. Community assistance planning reports documenting new transit development programs; plan amendment documents; and letter reports and other documents as required.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	8%	12%	100%
\$400,000	\$38,750	\$61,250	\$500,000

**PROJECT 220-1000: LONG-RANGE TRANSPORTATION PLANNING  
AND PLAN IMPLEMENTATION**

**Objective**

- To maintain and refine the long-range regional transportation system plan in ways which will meet local and State needs and Federal transportation planning requirements.
- To monitor and promote the adoption and implementation of the regional transportation system plan.
- To implement a congestion management system which will monitor existing levels of traffic congestion on the regional transportation system, evaluating those levels against forecast levels as identified in the adopted regional transportation system plan, and determining the need for amendments to that plan and the plan implementation schedule. The congestion management system will be fully integrated with—that is, conducted as a part of—any amendment and reevaluation of the regional transportation system plan.
- To help the Wisconsin Department of Transportation, the transit agencies in the Region, and concerned county and local governments in initiating the corridor studies identified in the regional transportation system plan.
- To provide the necessary support to the Wisconsin Department of Natural Resources for the preparation of the State Implementation Plan for air quality attainment and to conduct necessary regional transportation plan conformity analyses.
- To provide for public participation, education, and debate in the conduct of the ongoing regional land use and transportation system planning program, and to promote intergovernmental and interagency coordination in the conduct of the program.

**Previous and Current Work**

- During 1997, the regional transportation plan was amended and extended to the design year 2020. During the years 1998 through 2003, the refinement of that plan through county jurisdictional highway system plans was undertaken. In 2002 and 2003, that plan was reviewed, reaffirmed, and extended to the year 2025, and further refined through the conduct of the regional freeway reconstruction study.
- Under the long-range regional transportation system plan's congestion management system element, performance measures of congestion have been defined; existing and forecast future levels of congestion have been established; and alternative actions to resolve existing and future congestion problems have been evaluated and recommended. The attainment of the performance measures as of 1995 were reviewed in 1997 in the preparation of the regional long-range year 2020 plan, and as of 1998 were reviewed in 2000 in the review and reaffirmation of the regional plan, and as of 2000 were reviewed in 2002 as part of the review and reaffirmation of the regional plan.
- Preparation of transportation-related Governorial Executive Order 29 (GEO 29) reviews and monitoring, reviewing, and reporting of plan implementation activities attendant to the adopted regional transportation system plan.
- The Commission has a continuing arrangement with the University of Wisconsin-Extension whereby a full-time Extension educator is assigned to work with the Commission in carrying

out the public participation program attendant to the land use and transportation planning efforts. During previous years, the public participation program included a regional planning conference; a workshop on rural cluster development featuring an introduction to SEWRPC Planning Guide No. 7; additional workshops on geographic information systems and proper land use as it relates to a variety of concerns, including stormwater and flooding concerns; an article published in Wisconsin Counties magazine highlighting the importance of regional planning; a staff report relative to citizens' advisory group involvement in future land use and transportation planning programs, and organizational efforts to obtain such citizen participation; drafting of an ongoing process for public involvement in transportation system planning and programming; youth water-quality-education sessions integrating, for the first time, land use and transportation systems as key variables; teacher-training sessions featuring land use and the relationships between historical development, transportation, and environmental concerns; related teacher-training curricula; town officials' training workshops on planning and zoning concepts, which have been part of an annual series, assistance provided to towns and villages relative to citizen surveys and community "visioning" meetings as preliminary considerations in the comprehensive land use planning process; ongoing coordination assistance provided to the Southeastern Area Land and Water Conservation Association, a coalition of county land conservation committee members and staff; exhibits placed at Wisconsin Farm Progress Days, held in Washington County, and at other exhibitions; and materials prepared for a new Commission-UW-Extension fact sheet series called "Plan On It!" Additional work was completed to synthesize the results of behavioral inventories and attitudinal surveys, among other efforts, designed to gauge public opinion relative to transportation system investments.

- The Commission has provided the Wisconsin Department of Natural Resources with data analyses and forecasts, including traffic assignments for use in the State Implementation Plan. In addition, the Commission has conducted conformity analyses of the new regional transportation system plan and transportation improvement program.

#### **Relationship to Other Activities**

- The long-range transportation plan provides a framework for short-range transportation planning, and transportation improvement programming.

#### **Work Description/Methodology**

- A review, update, and extension to year 2035 of the regional plan will be completed in 2006. The reevaluation will use the year 2000 census data, data from a major travel survey conducted by the Commission in 2001 and 2002, and land use data from the year 2000 regional orthophotography program. Elements completed include review and refinement of the public involvement process for the regional plan, including refining strategies for engaging minority and low income populations as part of environmental justice and Title VI efforts. New population and employment forecasts have been prepared, and analyses with respect to land use and transportation trends leading to new land use and transportation plans have been completed. With respect to the regional transportation plan, analyses completed include the existing transportation system and its performance; regional travel habits and patterns; plan implementation status; and definition of objectives and standards. Review, refinement, recalibration, and validation of travel simulation models will be completed in 2005 (see Project 200-1000). Development and evaluation of transportation plan alternatives will be initiated in 2005 and completed in 2006 along with development of preliminary and final recommended year 2035 regional transportation plans. Public involvement would be conducted as outlined in the new public involvement process. Safety will be addressed in the planning objectives and standards, the relative safety of the various transportation modes will be estimated, the performance of alternative plans with respect to safety will be evaluated, and actions will be identified and considered to improve the safety of each mode. Freight traffic will be addressed

by survey, analysis, and forecast of intraregional and interregional movement of truck freight travel. Freight modes and shippers to identify existing and future freight travel problems and opportunities, and improvement needs will be contacted.

- During 2006, the Commission staff will work with counties on county jurisdictional highway system planning. Functional improvement changes to county plans will be addressed, as part of the review, update, and extension of the year 2035 regional transportation plan to be completed in early 2006. Jurisdictional responsibility changes will be addressed in 2006 and 2007 through work with each county jurisdictional highway planning committee.
- The work program attendant to the congestion management system is envisioned to operate in three-year cycles directly related to the State traffic-volume-counting program operated by the Wisconsin Department of Transportation and the federally required three-year review cycle for the regional transportation system plan. About every three years, analyses would be conducted to document changes in levels of traffic congestion on the regional arterial street and highway system, particularly as related to the congestion levels envisioned in the long-range transportation system plan; that would report on the implementation status of any management or capacity expansion projects included in the plan to address congestion problems; and that would involve the making of recommendations for changes to the system plan. A review of current traffic congestion and plan implementation status will be completed in 2005 as part of the review, update, and extension of the regional transportation plan to be completed in 2006.
- Preparation of GEO 29 reviews with respect to transportation projects. Provision of support to local units of government in the adoption of the long-range transportation plan. Monitoring and documentation of the progress of implementation of the plan.
- During 2006, the Commission intends to continue implementing its ongoing process for public participation in the land use and transportation planning and plan implementation work efforts. This will involve meetings, surveys, and assessment or information activities of many types of continued broadening citizen participation as the work of securing adoption and implementation of the regional land use and transportation system plans moves forward. Specific major work efforts will center around a regional planning conference tentatively focusing on the design year 2035 regional land use and transportation system plans, and/or (an)other conference(s); continuing to provide assistance regarding the town officials' training workshops and certificate program of education in planning and zoning issues, which program was piloted in Waukesha County; the conduct of additional town and village surveys to further assemble an emerging picture of public preference for integration into the planning process; the continued expansion of the land use education program for students, including the development of resource materials and associated teacher training; the augmentation of youth education units on land use and transportation planning; and the coordination of assistance to the Southeastern Area Land and Water Conservation Association and other groups relative to work with the Commission and the UW-Extension on land use, transportation, and related matters pertaining to environmental quality. The work effort will also include responses to the requests of local officials, students, and other interested citizens; the development and refinement of needed audiovisual materials; and the continued publication and distribution of the "Plan on It!" fact sheet series, as well as brochures, newsletter or magazine articles, white papers, and other public informational materials essential to ensuring that the general public is educated and involved in the planning and programming processes.
- As may be necessary during 2006, the Commission will continue to provide support to the Wisconsin Department of Transportation and other agencies in conceiving and structuring corridor studies, including preliminary engineering for the reconstruction of IH 94 between the State line and the Mitchell Interchange.



- It is anticipated that related to the State Implementation Plan for Ozone Air Quality, Commission staff will need to provide data, conduct analyses, attend meetings, and perform traffic assignments for numerous alternatives, as well as review emission budgets that the State will propose to include in the new State Implementation Plan. In addition, the Commission will need to do a conformity analysis attendant to the preparation of a Transportation Improvement Program. The Commission will be the lead agency in the development of the conformity analyses, working with the appropriate State and Federal transportation and environmental agencies.

**Schedule**

- Addressed in discussion of work description.

**Products**

- A planning report documenting the regional transportation system plan; wall maps illustrating the plan recommendations; and supplemental technical documents as required, including air quality conformity analyses and determinations.
- Data files attendant to traffic volumes, congestion levels, and project implementation; letter and technical reports on traffic congestion.
- A file of the plan adoption and implementation actions taken by Federal and State agencies and local units of government. Letter reports documenting GEO 29 reviews.
- Study designs, memorandums, letter reports, technical reports, and planning reports. Some of these documents could become the basis for formally amending the adopted regional transportation system plan.
- A regional planning conference and/or other conferences; citizens’ meetings; teacher, youth, and local official training; public informational meetings and hearings; citizen surveys and analyses; and newsletters, fact sheets, brochures, audiovisual programs, and articles or white papers addressing important planning and public participation issues.
- Transmittal of data, attendance at meetings, and preparation of conformity analyses reports.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	2%	18%	100%
\$638,000	\$9,750	\$149,750	\$797,500

**PROJECT 250-1000: TELECOMMUNICATIONS PLANNING PROGRAM:  
ORGANIZATION AND STUDY DESIGN**

**Objectives**

- To develop a regional telecommunications plan in a manner consistent with a Prospectus published by the Commission in December 2003.

**Previous and Current Work**

- Prospectus published in December 2003
- Six study design memoranda completed in 2004
  1. Current Infrastructure Inventory
  2. Network Monitoring System Design
  3. Telecommunications Services Forecasting
  4. Wireless Network System Design
  5. Regional Network Design
  6. Public Networks
- One study design memorandum completed in 2005
  7. Wireless performance monitoring inventory

**Relationship to Other Activities**

- This project provides for the overall management of the telecommunications planning program

**Work Description/Methodology**

- This project includes the management oversight required to design and carry out the telecommunications planning program

**Schedule**

- This management work effort will extend throughout 2006

**Products**

- Prospectus; study design memoranda; ;management and progress reports

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$25,000	\$25,000

**PROJECT 250-1001: TELECOMMUNICATIONS PLANNING PROGRAM:  
WIRELESS ANTENNA SITE AND RELATED  
INFRASTRUCTURE PLAN**

**Objectives**

- To determine the current status of commercial wireless, cellular/PCS networks in the Region in the form of an antenna site and related infrastructure inventory together with a performance inventory based on the Regional Network Monitoring System
- To provide 2G-3G and advanced 4G wireless infrastructure plans for the Region

**Previous and Current Work**

- Design memoranda numbers 2 and 7 provide the background for the design of the wireless version of the Network Monitoring System
- The antenna site and related infrastructure inventory is based on data from three sources: the FCC databases, the local units of government, and the cellular/PCS wireless service providers
- The performance inventory is based on data collected throughout the Region by the wireless version of the network monitoring system
- Two wireless infrastructure plans are scheduled: a second generation/third generation (2G/3G) plan and a fourth generation (4G) plan
- the 2G/3G plan will be based on current GSM, CDMA and iDEN technologies and their descendants
- The 4G plan will be based on WiMAX (IEEE Standard 803.16) and SIP (Session Initiation Protocol) and related technologies

**Relationship to Other Activities**

- The wireless infrastructure along with the commercial wireline network infrastructure and the public network infrastructure will together form the Regional Telecommunications Infrastructure.
- Public enterprise communications networks in areas such as public safety and transportation will utilize some the same technologies, e.g. WiMAX used in commercial networks

**Work Description/Methodology**

- The design and implementation of the wireless version of the Regional Network Monitoring System is believed to be a first in the U.S. and perhaps worldwide. Both circuit-switched and packet-switched networks are monitored using a combination of special wireless service provider hardware and software and general purpose network software, modified for wireless network operation.
- Radio propagation modeling plays an important role in the design of wireless communications systems. These models allow for prediction of the geographic areal coverage of an antenna site with defined technical characteristics or a set of such antenna sites and the extent and quality of such coverage.

- Radio propagation modeling results must be verified by selective field measurements. A randomized experimental design will be used to select field measurement locations. Such field measurements will be an integral part of the regional wireless telecommunications planning program.

**Schedule**

- The wireless antenna site and related infrastructure plan is scheduled for completion early in 2006. The most unpredictable aspect of the schedule relates to the collection of antenna site data particularly from the local units of government. The 2G/3G plan also depends upon the cooperation of wireless service providers. These carriers do not always conform to the Commission’s timetables.

**Products**

- A 2G/3G wireless infrastructure plan
- A 4G wireless infrastructure plan
- An operating Regional Wireless Network Monitoring System
- Documented in an Antenna Site and Related Infrastructure Planning Report

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$60,000	\$60,000

**PROJECT 250-1002: TELECOMMUNICATIONS PLANNING PROGRAM:  
PUBLIC ENTERPRISE TELECOMMUNICATIONS NETWORK**

**Objectives**

- To determine the needs and priorities for the development of various public networks in the Region
- To determine the scope, resource requirements, and potential support for high priority public networks in the Region
- To prepare and submit proposals to appropriate State or Federal agencies to support the development and operation of selected public networks

**Previous and Current Work**

- A technical study design memorandum (No. 4) on Public Networks has been prepared to further detail procedures for public networks development planning
- A Memorandum Report (No. 164) entitled, *Potential Public Enterprise Telecommunications Networks for Southeastern Wisconsin* was completed in September 2005. This report details the needs, descriptions, resource requirements, budgets and schedules for a wide range of public sector communications systems from public safety and transportation to home health care and environmental monitoring. This documents the foundation for public communications systems in each of the application areas.

**Relationship to Other Activities**

- The infrastructure inventory will catalog existing public networks in the Region to serve as the foundation for new public networks.
- Based on Memorandum Report No. 164, efforts will be made to initiate planning projects in each of the public enterprise communications applications.

**Work Description/Methodology**

- The methodology for public networks needs analysis and implementation procedures is outlined in Technical Study Design Memorandum No. 4 previously cited.

**Schedule**

- The schedules for individual public enterprise communications systems projects will depend on the project characteristics, resource requirements, and funding availability.

**Products**

- The first product has been Memorandum Report No. 164 which describes candidate projects and their characteristics and requirements.
- The ultimate products will be the plans for and the subsequent implementation of the various public enterprise communication networks.

**Funding Source**

<u>SEWRPC</u>	<u>Total</u>
<u>(tax levy)</u>	<u>100%</u>
100%	100%
\$63,000	\$63,000

**PROJECT 250-1003: TELECOMMUNICATIONS PLANNING PROGRAM:  
COMPOSITE REGIONAL TELECOMMUNICATIONS PLAN**

**Objectives**

- To develop alternative comprehensive regional telecommunications plans that integrate private commercial wireless and wireline networks with public sector communications networks into a regional telecommunications system that best serves the socioeconomic development, level of public services, and quality of life for the people of Southeastern Wisconsin
- To determine the benefits and costs of these plans
- To select a recommended telecommunications system plan for the Region

**Previous and Current Work**

- A technical study design memorandum (No. 6) has been prepared on regional telecommunications network design.
- The Wireless Antenna Site and Related Infrastructure plan will serve as a primary input to the composite regional telecommunications system plan, particularly the 4G component of that plan.
- With the focus on providing broadband communications for the Region, a second major input will relate to the fiber optic option. An alternative will incorporate fiber-to-the-premises (FTTP) as an alternative broadband solution.

**Relationship to Other Activities**

- The composite regional telecommunications plan brings together four subsidiary work activities
  1. The wireless antenna site and related infrastructure plan
  2. Public enterprise networks plans and projects
  3. Core communications infrastructure and plan
  4. Fiber optic access networks plan

**Work Description/Methodology**

- Regional wireless and wireline network monitoring is a novel and key element in the regional telecommunications planning program.
- The wireless antenna site inventory completed under 2005-1001 is a key infrastructure resource for the regional telecommunications plan.
- The core wireline infrastructure inventory will be an important but difficult to complete element in the planning process. Wireline service providers are extremely reluctant to release their network layouts to a government agency. Indirect methods such as trace routing will be used to compile the core network inventory.
- The broadband wireless alternative versus the fiber-to-the-premises alternative will be at the focus of alternative regional telecommunications plans. The final plan will probably include both communications technologies depending on population density and other factors in each area.

**Schedule**

- The composite regional telecommunications plan is scheduled for completion by the end of 2006.

**Products**

- The first product is the selected regional telecommunications system plan report.
- The ultimate products are the implementation of the plan in the form of both commercial and public sector broadband communications networks.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$210,130	\$210,130



**PROJECT 270-1000: MILWAUKEE COUNTY  
SHORT-RANGE PLANNING AND PROGRAMMING**

**Objective**

To continue ongoing Milwaukee County transit planning efforts, including an update of the Disadvantaged Business Enterprise (DBE) Goal Program, the Title VI assessment, the National Transit Database for paratransit operations, the transit maintenance plan, the Milwaukee Downtown Transit Connector Study, and the annual development of the Transportation Improvement Program for Southeastern Wisconsin.

**Previous and Current Work**

Annual activity with some variations.

**Relationship to Other Activities**

This project provides elements of the short-range transit planning and programming for the Milwaukee County transit system.

**Work Description/Methodology**

Conduct efforts related to the monitoring of implementation, updating, or preparation of Milwaukee County's DBE Goal Program, Title VI Assessment, National Transit Database, transit maintenance plan, and the Milwaukee Downtown Transit Connector Study. Continue staff participation in the preparation of the Milwaukee urbanized area Transportation Improvement Program.

**Schedule**

This project is conducted annually.

**Products**

An updated DBE Goal Program, Title VI Assessment, National Transit Database Report for paratransit operations, transit maintenance plan, and Transportation Improvement Program.

**Funding Source**

<u>FTA (Section 5307)</u>	<u>Milwaukee County</u>	<u>Total</u>
80%	20%	100%
\$240,000	\$60,000	\$300,000

## **PROJECT 280-1000: MILWAUKEE DOWNTOWN TRANSIT CONNECTOR STUDY**

### **Objective**

This study will investigate and evaluate bus, guided bus, and other transit alternatives designed to move workers, shoppers, residents, and visitors around the City of Milwaukee downtown area in an effective and efficient manner.

### **Previous and Current Work**

New project in 1999.

### **Relationship to Other Activities**

This corridor study is a refinement of the long-range plan.

### **Work Description/Methodology**

This corridor alternatives analysis study will examine alternatives to providing an improved Milwaukee downtown area transit system. The study will have elements relating to transit routing and rail alignment planning, station location, capital and operating cost estimations, forecasts of potential ridership, evaluation of urban development potential, analysis of transportation benefits and impacts, and environmental impact assessment, as well as financial planning.

### **Schedule**

The project was initiated in 1999, and the evaluation of alternatives was largely completed in 2003. The project will extend into 2006 for completion of alternatives analysis, environmental assessment, and selection of the locally preferred alternative.

### **Products**

A report documenting the findings and recommendations of the study will be prepared.

### **Funding Source**

<u>FTA (Earmark)</u>	<u>Wisconsin Center District Board</u>	<u>Total</u>
85%	15%	100%
\$3,200,000	\$565,000	\$3,765,000

[The funding shown above is for the third phase of the project and will provide conceptual engineering and completion of the environmental impact statement. The second phase had a cost of \$2,800,000 with \$2,380,000 FTA earmark funds and \$420,000 combined in-kind Milwaukee County and City staff support and local funds. The first phase of project funding consisted of \$2,550,000 of FTA funds (1995 earmark) and \$450,000 of in-kind Milwaukee County and City staff support.]

**PROJECT 290-1000: CONTINUED PLANNING/ENVIRONMENTAL ASSESSMENT OF  
COMMUTER RAIL IN THE KENOSHA-RACINE-MILWAUKEE  
TRAVEL CORRIDOR**

**Objective**

To continue and refine the planning for commuter rail in the corridor, including completing an environmental assessment, and preparing a New Starts application for commuter rail service.

**Previous and Current Work**

In 1998, a feasibility study was completed. In 2003 an alternatives analysis was completed.

**Relationship to Other Activities**

This study is a refinement of the long-range plan.

**Work Description/Methodology**

The proposed study would continue and refine the planning for the proposed commuter rail extension, including estimated costs and benefits relative to alternative bus service. The necessary environmental impact assessment would be prepared. Other elements of work would include a line capacity analysis, and attendant refinement of necessary track improvements and costs.

**Schedule**

The continued study will be completed in 2007.

**Products**

Reports will be prepared documenting the findings and recommendations including necessary reports to permit application for preliminary engineering.

**Funding Source**

<u>FTA (Earmark)</u>	<u>WisDOT (Commuter Rail Development Program)</u>	<u>Cities and Counties of Kenosha, Milwaukee, and Racine (In-kind staff match)</u>	<u>Total</u>
80%	10%	10%	100%
\$3,200,000	\$400,000	\$400,000	\$4,000,000

[The earlier alternatives analysis phase of the project had a total cost of \$825,000, with \$500,000 Federal (1999 FTA Earmark), \$160,000 WisDOT multi-modal, and \$165,000 SEWRPC (service agreements with Counties and Cities of Kenosha, Milwaukee, and Racine).]

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## Chapter IV

### PROPOSED 2006 REGIONAL WATER QUALITY PLANNING PROGRAM

#### INTRODUCTION

The proposed 2006 regional water quality planning program consists of 10 projects under two basic tasks as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Ongoing Plan Implementation	300-1000	Regional Water Quality and Refinement Projects Management Plan Coordination and Extension of Implementation Activities
	300-2000	Sanitary Sewer Extension Reviews and Assistance
	300-3000	Sanitary Sewer Service Area Plan Refinements
Plan Extension and Updating Projects	300-4000	Regional Water Quality Management Plan Update: Major Subregional Elements
	300-4001	Regional Water Quality Management Plan Update: Plan Preparation
	300-4002	Regional Water Quality Management Plan Update: Water Quality Modeling
	300-4003	Regional Water Quality Management Plan Update: Data Collection
	300-4004	Regional Water Quality Management Plan Update: Groundwater Modeling
	300-4005	Regional Water Quality Management Plan Update: Public Involvement Activities
	300-5000	Regional Water Quality Management Plan Update: Groundwater Management Studies

The balance of this chapter consists of the presentation of individual project descriptions. The program budget is summarized in Chapter XII.

**PROJECT 300-1000: REGIONAL WATER QUALITY  
MANAGEMENT PLAN COORDINATION AND  
EXTENSION OF IMPLEMENTATION ACTIVITIES**

**Objective**

To assist local and State-designated management agencies in developing procedures and guidelines and in conducting second-level planning studies needed to implement point source and nonpoint source pollution abatement measures recommended in the adopted regional water quality management plan; and to effect needed intergovernmental cooperation in plan implementation.

**Previous and Current Work**

Since adoption of the regional water quality management plan in 1979, the Commission staff has worked with a large number and variety of designated management (plan implementation) agencies in a number of different ways to implement the regional water quality management plan. An update and status report on that plan was completed in 1995. This project includes, for example, working with the Wisconsin Department of Natural Resources (DNR), the county land and water conservation departments, and designated management agencies, in the preparation and implementation of detailed nonpoint source pollution abatement plans; working with lake protection and rehabilitation districts and lake associations in preparing and implementing detailed lake management plans; working with sewage treatment plant operators and counties in implementing the plan recommendations for sewage treatment plants and attendant sewer service areas; and working with county land and water conservation and planning departments to carry out county land and water resource management and stormwater management planning.

**Relationship to Other Activities**

Land and water quality inventory data is made available to communities and private interests for use in developing permit conditions and site designs which are environmentally sound. This supports local and regional land use planning and development activities. Nonpoint source pollution abatement planning activities are integrated with watershed planning and stormwater drainage and management planning described under the regional floodland management planning program.

**Work Description/Methodology**

During 2006, it is proposed that the Commission maintain a staff capability designed to respond to a variety of requests for assistance in implementing the regional water quality management plan. For the most part, these activities will be conducted in direct response to requests submitted by designated management agencies. Under this project, Commission staff would attend meetings and prepare reports relating to the regional water quality management plan and its implementation recommendations. Such meetings and reports can be expected to involve all of the elements of the adopted regional water quality management plan. This project will include assisting local communities in resolving water quality problems through effective stormwater management planning and analysis integrating nonpoint source pollution abatement measures. For example, the Commission will likely assist some communities in the analysis and development of stormwater management plans and facilities designed to reduce non-point source pollutant loadings to downstream waters. This project will also include the provision of all sewerage system facility planning assistance and review, as well as the preparation of amendments to the regional water quality management plan. Such assistance typically includes provision of data, review of plans, and attendance at meetings.

The DNR and Commission staffs will meet to explore ways that DNR resource managers can more effectively convey basin priorities to local governments to help improve resource management and protection of high priority resources areas as county land and water plans and local comprehensive plans

are developed and implemented. The Commission staff will participate in a demonstration of the State's new Waterbody Assessment Display and Reporting System (WADRS) and will participate in discussions on how existing and future water quality assessment data developed at the Regional level can be most efficiently incorporated into the State's data system.

The project will also include assistance to the DNR, county land conservation departments and local units of government in preparing and review of detailed nonpoint source pollution abatement plans and refinements to county land and water resource management plans, and in developing data for statewide water quality and watershed management programs. It is anticipated that such assistance and data may include the provision of available land use and water quality and pollutant loading data; drainage area characteristics and areas; wetland and environmental corridor evaluation reports; field survey records; and other support data available from related Commission work programs.

The work project will also include the preparation of inventory and analysis reports to assist lake districts and organizations in the conduct of lake use and management planning activities. This work program will include the preparation of project descriptions for lake planning programs and public informational and educational materials attendant to implementation of the regional water quality management plan. Under this work program, the Commission staff will continue to work with the DNR and statewide lake organizations to develop refined lake management programs. This work element will also include Commission participation as a committee member on, DNR GMO partnership teams, county land and water resources management planning committees, and other water quality-related committees. This element will also include the provision of assistance to the Wisconsin Department of Natural Resources in developing additional data layers for watershed maps for the Geographic Management Units in the Southeastern Wisconsin Region. This work project will also include maintenance and refinement of the sewer service area component of the SEWRPC website which will be linked to the WDNR website.

This work project will also include the provision of assistance to local units of government in developing the quality aspects of local stormwater management and stream restoration. As an example, the Commission anticipates technical assistance to counties in implementing the water quality management elements of the county land and water resource management plans.

This work project will also include a process designed to consider water quality-related issues of importance to the planning program. This process is expected to involve one WDNR-SEWRPC staff interagency meeting.

### **Schedule**

This work effort is continuing with products being prepared over the course of the year.

### **Products**

It is anticipated that the end products under this work project will be many and varied. Anticipated work products may be expected to include about 20 letter reports or staff memorandums or community assistance reports; assistance to the Wisconsin Department of Natural Resources and county land conservation departments for water quality and watershed planning activities to consist of meeting attendance and materials review; lake management planning assistance to 15 lake districts and organizations; five public informational and educational presentations or reports; attendance at about 30 meetings; coordination of meetings and activities with the DNR; and other miscellaneous plan implementation activities. Additional mapping for selected areas will be provided to the DNR and the sewer service area component of the SEWRPC website will be maintained and refined.

**Funding Source**

<u>WisDNR</u>	<u>SEWRPC</u>	<u>SEWRPC</u>	<u>Total</u>
32%	(tax levy)	(service agreements)	100%
\$50,000	15%	53%	
	\$23,500	\$81,500	\$155,000



**PROJECT: 300-2000: SANITARY SEWER EXTENSION REVIEWS AND ASSISTANCE**

**Objective**

To review, comment on, and provide assistance in the preparation of proposals to construct public and private sanitary sewer extensions and major onsite sewage disposal systems, relating such reviews to the adopted regional water quality management plan. Such comments and assistance are provided in response to letters submitted by local units of government, consulting engineers, architects, plumbers, and others, and are forwarded to the Wisconsin Departments of Natural Resources (DNR) and Commerce.

**Previous and Current Work**

This is an ongoing project. During the year 2005, the Commission staff provided review comments attendant to about 200 proposed public sewer extensions and 100 proposed private main sewers and building sewer extensions, all as required under Sections NR 110.08(4) and Comm 82.20(4) of the Wisconsin Administrative Code. Assistance was also provided to local units of government and private land developers in the preliminary evaluation of land use development proposals. Such preliminary evaluation is particularly important since it makes the subsequent formal review of proposed sewer extensions routine. Letter reports and field staking of environmentally sensitive areas were provided for approximately 20 sewer extension projects.

**Relationship to Other Activities**

The sanitary sewer extension review process includes consideration of environmental corridor and other environmentally sensitive lands. Thus, the reviews are directly related to implementation of the regional land use plan. This project is also directly related to Project 300-3000, Sanitary Sewer Service Area Plan Refinements, under which the boundaries of the planned sewer service areas are developed through an intergovernmental planning effort.

**Work Description/Methodology**

During 2006, it is expected that about 190 proposals for public sanitary sewer extensions and about 120 proposals for private and building sewers will be reviewed. Numerous meetings will have to be held and letters written concerning the relationship of land development proposals to the adopted regional water quality management plan. Such review letters will indicate whether or not a land development proposal would encroach upon environmentally sensitive lands and whether or not such a proposal lies within an approved sanitary sewer service area. This work activity is expected to require about 100 meetings with people who visit the Commission offices to review environmentally sensitive land mapping for land parcels being considered for sewer service. Letter reports and field staking of environmentally sensitive areas may be expected to be provided for about 10 sewer extension projects as part of the review or to assist in preparation of the sewer extension submitted. Each of these field staking projects will involve a written report as well as an in-field inspection and an in-field layout of the environmentally sensitive area.

**Schedule**

The work effort is continuing with reviews and field surveys being conducted over the course of the year.

**Products**

Approximately 310 letter reports relating to public and private sewer extensions and about 10 letter reports documenting in-field layouts of environmentally sensitive areas. Approximately 100 meetings are also conducted with people to review environmentally sensitive land information on a site-specific basis.

**Funding Source**

<u>WisDNR</u>	<u>SEWRPC</u> <u>(tax levy)</u>	<u>Total</u>
50%	50%	100%
\$15,000	\$15,000	\$30,000

## **PROJECT 300-3000: SANITARY SEWER SERVICE AREA PLAN REFINEMENTS**

### **Objective**

To refine and detail sanitary sewer service areas and environmentally sensitive lands as initially delineated in the 1979 regional water quality management plan.

### **Previous and Current Work**

When the Commission adopted the regional water quality management plan in 1979, it was envisioned that a multi-year process would be undertaken to refine and detail the sanitary sewer service areas delineated in that plan in order to meet the requirements of Chapter NR 121 of the Wisconsin Administrative Code. This would involve working with the designated management agencies in efforts that would seek to incorporate local, as well as areawide, planning objectives into the sewer service area planning process. A total of 85 individual sewer service areas are currently identified in the Region. By the end of 2005, refined and detailed sewer service area plans will have been completed and adopted for 73 of those 85 areas. Following refinement, including consolidation and identification of new service areas, there are now 57 redefined named service areas in Southeastern Wisconsin. In addition, during 2005, eleven revisions to previously prepared sewer service area plans were completed.

### **Relationship to Other Activities**

The sanitary sewer area refinement process includes delineation of, and protection recommendations for, environmental corridors and other environmentally sensitive lands as recommended in the regional land use plan. In addition, the sewer service areas are delineated with due consideration to the planned urban development as set forth in the regional land use plan.

### **Work Description/Methodology**

The Commission will continue to work during the year 2006 toward completing the refinement process for all sanitary sewer service areas. This process involves working with the designated management agencies and other affected local units of government in revising the sewer service areas, incorporating into those revisions refined delineations of primary and secondary environmental corridors and isolated natural resource areas. In addition, where adequate data exist, floodplains outside of the environmental corridor lands will be delineated. Field evaluations and delineation of environmentally sensitive areas will be conducted for sites proposed to be included within the sewer service areas. Each refinement process is documented in a community assistance planning report which is presented to local governmental officials for review. One or more public hearings are held to present the final plans and obtain public reaction. The reports are then printed, adopted by the designated management agencies, adopted by the Commission as amendments to the regional water quality management plan, and forwarded by the Commission to the Wisconsin Department of Natural Resources (DNR) as water quality plan amendments. During 2006, it is anticipated that a significant number of requests for amendments to previously prepared sewer service area plans will continue to be received and acted upon. Special letter reports and field evaluations will be conducted to support and consider specific requests for sewer service area refinements. Environmental impact assessment data will be provided where and as needed for sewer service area amendments. Revisions to previously prepared sewer service area plans also are expected to be completed. Procedures for plan amendments will continue to be refined in conjunction with the DNR staff in order to meet the requirements of Chapter NR 121 of the Wisconsin Administrative Code. A map of the sewer service areas and map designation as to the status of their refinement will be updated. The sewer service area program, including mapping, will be maintained and refined as an integral component of the SEWRPC website.

### **Schedule**

This work effort is continuing with sewer service area plans and refinements being conducted over the course of the year.

**Products**

Community assistance planning reports and plan amendment reports documenting the revised sanitary sewer service areas, amendments to service areas, and environmentally sensitive lands, and special letter reports and field evaluations to support specific sewer service area amendment requests. Data needed to complete Wisconsin Department of Natural Resources environmental assessment forms as needed. Plan amendment documents dealing with revisions to original sewer service area plans. An updated map indicating the sewer service areas and their refinement status for the Southeastern Wisconsin Region with DNR geographic management unit boundary designations. Maintenance and refinement of a sewer service area component on the SEWRPC website.

**Funding Source**

<u>WisDNR</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
77%	23%	100%
\$50,000	\$65,000	\$115,000

**PROJECT 300-4000: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE—  
MAJOR SUBREGIONAL AMENDMENTS**

**Objective**

To update and extend the land use-, point source-, nonpoint source-, and surface- water-related elements of the regional water quality management plan. The plan updating process is intended to be a continuing process. As such, this work project will focus on major amendments to the plan which generally involve subregional considerations.

**Previous and Current Work**

The original regional water quality management plan was completed in 1979. Under the 1994-1995 water quality planning program, a report providing an update of and status report on the regional water quality management plan was completed. During 2005, assistance was provided to coordinate sewer service area planning related to the City of Kenosha and Town of Somers boundary agreement. Input was also provided to the Milwaukee Metropolitan Sewerage District related to the 2020 facility planning program and the parallel update of the regional water quality management plan. Work continued on the regional water quality management plan for the watersheds which relate to the Milwaukee metropolitan area. In this regard, the Commission also participates as a member of a working committee which meets regularly to consider implementation-related steps associated with the MMSD facility plan.

**Relationship to Other Activities**

This project is related to Projects 300-1000 and 300-3000, which include the provision of assistance to designated management agencies in plan implementation and updating on a local basis. This project is also related to projects 300-4001, 300-4002, 300-4003, and 300-4004, which involve the preparation of an update of the regional water quality management plan for the watersheds tributary to the Milwaukee metropolitan area.

**Work Description/Methodology**

During the year 2006, the Commission staff will continue to provide input into the ongoing inter-governmental process relating to implementation of a major plan amendment relating to sewerage facilities and sewer service areas as the need arises.

**Schedule**

Work will be continued on the regional water quality management plan update for the watersheds relating to the Milwaukee metropolitan area, as described under project 300-4001.

**Products**

Plan amendments and letter reports as appropriate.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$5,000	\$5,000

## **PROJECT 300-4001: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE— PLAN PREPARATION**

### **Objective**

To update and extend the land use-, point source-, nonpoint source-, and groundwater-related elements of the regional water quality management plan for the Kinnickinnic River, Menomonee River, Milwaukee River, Root River, and Oak Creek watersheds, the Milwaukee Harbor estuary, and the adjacent nearshore Lake Michigan (greater Milwaukee watersheds). This work project relates to the overall plan update preparation.

### **Previous and Current Work**

The original regional water quality management plan was completed in 1979. Under the 1994-1995 water quality planning program, a report providing an update of and status report on the regional water quality management plan was completed. During 2005, work continued on the regional water quality management plan update for the greater Milwaukee watersheds. Work was completed on the plan design and analytical methods selection and on inventories of land use, natural resources, and public utilities. Work continued on the inventory and analysis of water quality data. Water quality model development and calibration was completed. Work was completed on development of planning objectives, principals, and standards.

### **Relationship to Other Activities**

This project is also related to projects 300-4002, 300-4003, and 300-4004, which involve the preparation of elements of the regional water quality management plan update for the greater Milwaukee watersheds.

### **Work Description/Methodology**

It is proposed that the regional water quality management plan for the greater Milwaukee watersheds portion of Southeastern Wisconsin be updated, revised, and extended to a new design year 2020. The contemplated work effort will result in the reevaluation and, as necessary, revision of the three major elements comprising the original plan—the land use element; the point source pollution abatement element; and the nonpoint source pollution abatement element. In addition, a groundwater element will be added largely based upon recently completed and ongoing programs.

The regional water quality management plan updating will employ a seven-step planning process through which the principal functional relationships existing within the planning area related to water quality management can be accurately described, and the effect of different courses of action with respect to land use and facility development tested and evaluated. The seven steps involved in this planning process are: 1) study organization; 2) inventory; 3) formulation of objectives and standards; 4) analysis and forecast; 5) preparation, test, and evaluation of alternative plans; 6) plan selection; and 7) plan implementation. Report preparation and public involvement are additional steps which are integrated throughout the process.

It is anticipated that the regional water quality management planning and the ongoing MMSD 2020 facility planning will be conducted in separate, but coordinated and cooperative, work efforts. There is a defined need for interfacing these two planning efforts for many of the work elements and some work elements will be jointly carried out.

This project includes the primary plan preparation. This project will be supported by projects 300-4002, 300-4003, and 300-4004, which included water quality modeling, water quality monitoring, and groundwater resources modeling, respectively.

**Schedule**

This project will be accomplished largely with currently available data. This will allow the plan update to be largely completed in approximately 36 months over calendar years beginning late in 2003, and ending late in 2006, with selected elements being completed earlier. Some of the plan documentation, public involvement, and continuing support for the related MMSD facility planning program will be carried out in late 2006 and early 2007.

**Products**

The documentation of the regional water quality management plan update will be primarily focused on two media. The first media will include the preparation of two written reports. The first report will be a planning report setting forth a clear written and graphic description of the regional water quality management plan update, including a water quality report in summary form, the land use plan element in summary form, the surface water quality management plan, including a point source pollution abatement plan sub-element and the nonpoint source pollution abatement plan sub-element, and the groundwater protection plan element. A separate water quality report to be prepared will provide a description of the major stream reaches, and of selected intermittent stream reaches, along with a description of current water quality, sediment quality, biological conditions, and sources of water pollution. Available information on groundwater quality will also be included. The second media to be used to document the plan will be a PowerPoint-formatted presentation designed to document the plan findings and conclusions and the planning process. This presentation is expected to evolve over the plan preparation period and will take varied forms, depending upon the state of the process and the specific needs for the communication tool. Ultimately, it will have segments which mirror the content of the planning report outline, but will be greatly simplified and presented in summary format.

**Funding Source**

<u>WisDNR</u>	<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
12%	25%	63%	100%
\$50,000	\$100,075	\$258,000	\$408,075

## **PROJECT 300-4002: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE— WATER QUALITY MODELING**

### **Objective**

To update and extend the land use-, point source-, nonpoint source-, and groundwater-related elements of the regional water quality management plan for the Kinnickinnic River, Menomonee River, Milwaukee River, Root River, and Oak Creek watersheds, the Milwaukee Harbor estuary, and the adjacent nearshore Lake Michigan (greater Milwaukee watersheds). This work project relates to the water quality modeling element of the plan update.

### **Previous and Current Work**

The original regional water quality management plan was completed in 1979. Under the 1994-1995 water quality planning program, a report providing an update of and status report on the regional water quality management plan was completed. During 2005, work was continued on the regional water quality management plan update for the greater Milwaukee watersheds. Work was completed on the plan design and analytical methods selection and on inventories of land use, natural resources, and public utilities. Work continued on the inventory and analysis of water quality data. Water quality model development and calibration was completed, modeling of future year 2020 conditions was completed, development and modeling of broad water quality scenarios was substantially completed, and modeling of alternative plan conditions was initiated. .

### **Relationship to Other Activities**

This project is also related to projects 300-4001, 300-4003, and 300-4004, which involve the preparation of other elements of the regional water quality management plan update for the greater Milwaukee watersheds.

### **Work Description/Methodology**

It is proposed that the regional water quality management plan for the greater Milwaukee watersheds portion of Southeastern Wisconsin be updated, revised, and extended to a new design year 2020. The contemplated work effort will result in the re-evaluation and, as necessary, revision of the three major elements comprising the original plan—the land use element; the point source pollution abatement element; and the nonpoint source pollution abatement element. In addition, a groundwater element will be added largely based upon recently completed and ongoing programs.

This project involves the water quality modeling component of the regional water quality management plan update. Mathematical simulation model techniques are needed for the proper conduct of the regional water quality management plan update to quantitatively assess anticipated future, as well as existing, water quality conditions and the implications of such conditions on committed or proposed water quality management actions. Water quality simulation models will be needed for the Kinnickinnic River, the Menomonee River, the Milwaukee River, Oak Creek, the Root River, and the Lake Michigan nearshore area. It is envisioned that two integrated water quality modeling programs will be carried out. One modeling program will be carried out for the watershed watercourses and one will be carried out for the Milwaukee Harbor estuary and nearshore Lake Michigan areas. Both modeling programs will be designed to meet the analyses needs of both the regional water quality management planning program and the MMSD facility planning program. However, one coordinated and cooperative modeling integrated program will be carried out under the regional water quality management planning program to serve all purposes. It is envisioned that the modeling work will be overseen and coordinated by SEWRPC, with the technical work staffing being funded under the MMSD 2020 facility planning program.



**Schedule**

The water quality modeling will be completed in 2006. The work will be carried out over 2004, 2005, and 2006, with interim completion milestones for modeling of various watershed areas and model phases.

**Products**

Analytic water quality models of the Kinnickinnic River, Menomonee River, Milwaukee River, Root River, and Oak Creek watersheds and the Milwaukee Harbor estuary and nearshore Lake Michigan area. Model outputs in the form of decision support data will be used to evaluate alternative water quality management strategies.

**Funding Source**

<u>WisDNR</u>	<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
10%	40%	50%	100%
\$15,000	\$60,000	\$75,000	\$150,000

## **PROJECT 300-4003: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE— DATA COLLECTION**

### **Objective**

To update and extend the land use-, point source-, nonpoint source-, and groundwater-related elements of the regional water quality management plan for the Kinnickinnic River, Menomonee River, Milwaukee River, Root River, and Oak Creek watersheds, the Milwaukee Harbor estuary, and the adjacent nearshore Lake Michigan (greater Milwaukee watersheds). This work project relates to the water quality data collection element of the plan update.

### **Previous and Current Work**

The original regional water quality management plan was completed in 1979. Under the 1994-1995 water quality planning program, a report providing an update of and status report on the regional water quality management plan was completed. During 2005, work was continued on the regional water quality management plan update for the greater Milwaukee watersheds. Work was completed on the plan design and analytical methods selection and on inventories of land use, natural resources, and public utilities. Work continued on the inventory and analysis of water quality data. Water quality model development and calibration was completed, modeling of future year 2020 conditions was completed, development and modeling of broad water quality scenarios was substantially completed, and modeling of alternative plan conditions was initiated.

### **Relationship to Other Activities**

This project is also related to projects 300-4001, 300-4002, and 300-4004, which involve the preparation of other elements of the regional water quality management plan update for the greater Milwaukee watersheds.

### **Work Description/Methodology**

It is proposed that the regional water quality management plan for the greater Milwaukee watersheds portion of Southeastern Wisconsin be updated, revised, and extended to a new design year 2020. The contemplated work effort will result in the re-evaluation and, as necessary, revision of the three major elements comprising the original plan—the land use element; the point source pollution abatement element; and the nonpoint source pollution abatement element. In addition, a groundwater element will be added largely based upon recently completed and ongoing programs.

For watercourse water quality model calibration purposes, it is proposed to rely primarily upon the extensive water resources data base currently available. For water quality data collected within the Milwaukee Metropolitan Sewerage District (MMSD) data collection area, there is an ongoing program being carried out by the MMSD in conjunction with the U.S. Geological Survey (USGS), in cooperation with the Wisconsin Department of Natural Resources (WDNR) and others to collate and insert available water quality data in an up-to-date data base. That data base would be used as the basic water quality data source for much of the model calibration and related plan preparation activities. For areas beyond the MMSD water quality data collection area, data collected for, and included within, the State of the Basin reports prepared by the Wisconsin Department of Natural Resources for the Milwaukee River basin and Root-Pike basin, and other available data sources, would be utilized to the extent possible. The exception to this intention to utilize the existing data bases relates to water quality model calibration/verification data for the portions of the watercourse system in the Milwaukee and Root River watersheds which are located beyond the MMSD data collection area.

Based upon an initial review of the available data, it is planned to collect additional water quality data for the Upper Milwaukee and Lower Root River watersheds for model calibration and verification purposes.

Water quality data for model calibration/verification purposes are proposed to be collected at nine monitoring locations. It is proposed to conduct two dry weather and four wet weather surveys at each site. The work is planned to be carried out by the U.S. Geological Survey under contract to SEWRPC.

**Schedule**

The water quality monitoring was completed during 2004.

**Products**

Under this project, water quality samples were collected at about eight sites and analyzed for a selected set of water quality parameters. The data will be summarized in a memorandum report to be finalized in 2005.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$5,000	\$5,000

## **PROJECT 300-4004: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE— GROUNDWATER MODELING**

### **Objective**

To update and extend the land use-, point source-, nonpoint source-, and groundwater-related elements of the regional water quality management plan for the Kinnickinnic River, Menomonee River, Milwaukee River, Root River, and Oak Creek watersheds, the Milwaukee Harbor estuary, and the adjacent nearshore Lake Michigan (greater Milwaukee watersheds). This work project relates to the groundwater modeling element of the plan update.

### **Previous and Current Work**

The original regional water quality management plan was completed in 1979. Under the 1994-1995 water quality planning program, a report providing an update of and status report on the regional water quality management plan was completed. During 2005, work was continued on the regional water quality management plan update for the greater Milwaukee watersheds. Work was completed on the plan design and analytical methods selection and on inventories of land use, natural resources, and public utilities. Work continued on the inventory and analysis of water quality data. Water quality model development and calibration was completed, modeling of future year 2020 conditions was completed, development and modeling of broad water quality scenarios was substantially completed, and modeling of alternative plan conditions was initiated.

### **Relationship to Other Activities**

This project is also related to projects 300-4001, 300-4002, and 300-4003, which involve the preparation of other elements of the regional water quality management plan update for the greater Milwaukee watersheds.

### **Work Description/Methodology**

It is proposed that the regional water quality management plan for the greater Milwaukee watersheds portion of Southeastern Wisconsin be updated, revised, and extended to a new design year 2020. The contemplated work effort will result in the re-evaluation and, as necessary, revision of the three major elements comprising the original plan—the land use element; the point source pollution abatement element; and the nonpoint source pollution abatement element. In addition, a groundwater element will be added largely based upon recently completed and ongoing programs.

Because of the relationship of groundwater and surface water in the study area, groundwater conditions are an important factor in water quality management planning. Groundwater-related inventories developed under other planning programs carried out by others, including the U.S. Geological Survey, the Wisconsin Department of Natural Resources, the Wisconsin Geological and Natural History Survey (WGNHS), and the Regional Planning Commission, will be collated for use in the planning program, as needed.

Under this work project, the regional aquifer performance simulation model developed by the Regional Planning Commission, the U.S. Geological Survey, the Wisconsin Geological and Natural History Survey, and the major groundwater-supplied water utilities in the Region will be available for use in the study. The operation of this model will permit analysis of water conservation and recharge area protection measures. This work project will be carried out with the assistance of the WGNHS and U.S. Geological Survey under an agreement with SEWRPC.

### **Schedule**

This project will be carried out during 2005 and 2006.

**Products**

Groundwater model outputs providing decision support for alternative groundwater management strategies.

**Funding Source**

<u>WisDNR</u>	<u>SEWRPC</u> <u>(tax levy)</u>	<u>Total</u>
50%	50%	100%
\$5,000	\$5,000	\$10,000

## **PROJECT 300-4005: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE— PUBLIC INVOLVEMENT ACTIVITIES**

### **Objective**

To update and extend the land use-, point source-, nonpoint source-, and groundwater-related elements of the regional water quality management plan for the Kinnickinnic River, Menomonee River, Milwaukee River, Root River, and Oak Creek watersheds, the Milwaukee Harbor estuary, and the adjacent nearshore Lake Michigan (greater Milwaukee watersheds). This work project relates to the water quality data collection element of the plan update.

### **Previous and Current Work**

The original regional water quality management plan was completed in 1979. Under the 1994-1995 water quality planning program, a report providing an update of and status report on the regional water quality management plan was completed. During 2005, work was continued on the regional water quality management plan update for the greater Milwaukee watersheds. Work was completed on the plan design and analytical methods selection and on inventories of land use, natural resources, and public utilities. Work continued on the inventory and analysis of water quality data. Water quality model development and calibration was completed, modeling of future year 2020 conditions was completed, development and modeling of broad water quality scenarios was substantially completed, and modeling of alternative plan conditions was initiated. A conference on watershed water quality planning and related topics was held in February.

### **Relationship to Other Activities**

This project is also related to projects 300-4001, 300-4002, 300-4003, and 300-4004, which involve the preparation of other elements of the regional water quality management plan update for the greater Milwaukee watersheds.

### **Work Description/Methodology**

It is proposed that the regional water quality management plan for the greater Milwaukee watersheds portion of Southeastern Wisconsin be updated, revised, and extended to a new design year 2020. The contemplated work effort will result in the re-evaluation and, as necessary, revision of the three major elements comprising the original plan—the land use element; the point source pollution abatement element; and the nonpoint source pollution abatement element. In addition, a groundwater element will be added largely based upon recently completed and ongoing programs.

Public involvement will be essential to the conduct of the regional water quality management plan update. It is envisioned that the public involvement activities will be focused through the use of advisory committees, cooperative actions with other related ongoing public involvement activities, and other public involvement programming and watershed education programming. An important consideration will be to carefully coordinate and integrate the public involvement activities for the regional water quality management plan with such activities being carried out as part of the MMSD facility planning program and the WDNR basin partnership ongoing programs. As part of the public involvement activities, it is proposed to have three types of advisory mechanisms to guide the regional water quality management plan update, one of a technical nature, one to provide intergovernmental coordination and policy advice and assistance, and one citizen based. Other public involvement activities will be developed as the regional water quality management plan update planning program proceeds. A conference will be sponsored in 2006 to provide ongoing watershed education and information on the regional water quality management planning program. That conference will be coordinated with the related MMSD facility planning process.

**Schedule**

The public involvement activity will be conducted over the planning period of 2004 through early 2007.

**Products**

Advisory committee staff, support documents, newsletter articles, public educational documents, and other related materials to be developed during the planning process.

**Funding Source**

<u>DNR</u>	<u>SEWRPC</u> <u>(tax levy)</u>	<u>SEWRPC</u> <u>(service</u> <u>agreements)</u>	<u>Total</u>
17%	17%	66%	100%
\$5,000	\$5,000	\$20,000	\$30,000

**PROJECT 300-5000: REGIONAL WATER QUALITY MANAGEMENT PLAN UPDATE  
GROUNDWATER MANAGEMENT STUDIES**

**Objective**

To develop groundwater resources-related data and analyses for use in regional land use and water quality management planning over a multi-year period.

**Previous and Current Work**

Prior to 2006, work was completed on groundwater resources inventories, including a pollution potential mapping for the Region. The final report incorporating all inventories, mapping, and analyses and a prospectus describing a regional groundwater aquifer modeling program for Southeastern Wisconsin were published. In addition, work was completed on a regional groundwater aquifer model development. The model development was carried out under an interagency agreement by the Commission, the U.S. Geological Survey, and the Wisconsin Geological and Natural History Survey staffs. The work was overseen by the Commission's Technical Advisory Committee on Groundwater Resources. Work was also completed on a prospectus describing a regional water supply plan for Southeastern Wisconsin.

**Relationship to Other Activities**

This project is designed to provide for groundwater quantity and quality protection planning activities and supports the regional water quality and land use planning programs.

**Work Description/Methodology**

During the year 2004, work was completed in applying the regional aquifer simulation model to selected simulation analyses associated with groundwater withdrawals.

**Schedule**

The report documenting the development, application, and demonstration of the regional groundwater aquifer model is scheduled to be completed during 2005.

**Products**

The Commission will offer technical assistance to local units of government on matter related to groundwater management. This assistance will be documented in letter reports, as appropriate.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$5,000	\$5,000



## Chapter V

### PROPOSED 2006 REGIONAL WATER SUPPLY PLANNING PROGRAM

#### INTRODUCTION

The proposed year 2006 regional water supply planning program consists of one project as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Water Supply Planning	310-1000	Regional Water Supply Plan

The balance of this chapter consists of the presentation of an individual project description. The program budget is summarized in Chapter XII.

## **PROJECT 310-1000: REGIONAL WATER SUPPLY PLAN**

### **Objective**

To develop a regional water supply plan for the seven-county Southeastern Wisconsin Region considering both groundwater and surface water sources. The plan is intended to serve as a framework for managing the Region's water supply sources in an efficient, technically sound, cost-effective, and environmentally sound manner.

### **Previous and Current Work**

Prior to 2006, the Southeastern Wisconsin Regional Planning Commission worked cooperatively with the Wisconsin Geological and Natural History Survey (WGNHS) and the Wisconsin Department of Natural Resources (WDNR) on a regional groundwater resource inventory and analysis program. The primary purpose of this effort has been the development of hydrogeologic data that can be used to support the preparation of a regional groundwater modeling program and to provide information useful for land use and related planning efforts. The groundwater-related inventories developed under this effort are documented in SEWRPC Technical Report No. 37, *Groundwater Resources of Southeastern Wisconsin*, June 2002. In addition, a regional groundwater aquifer simulation model was developed during 2003 and 2004 to use as a planning tool to simulate the performance of the deep and shallow aquifers in the Region under various scenarios. The groundwater modeling program was prepared jointly by the Commission, the WGNHS, the U.S. Geological Survey (USGS), WDNR, and the University of Wisconsin -Milwaukee and was supported by the water utilities in Southeastern Wisconsin using groundwater as a source of supply.

A *Regional Water Supply Planning Program Prospectus* was prepared which sets forth the need for and recommended the means by which a regional water supply planning program be established for the Southeastern Wisconsin Region. During 2004, funding arrangements were made with each of the seven counties to carry out the plan. The planning program was initiated early in 2005. During 2005, the Commission reconstituted the Regional Water Supply Planning Advisory Committee; agreements were formalized for consulting engineering, legal and hydrogeologic technical assistance; inventories of water supply facilities were completed; initial report chapters were completed and reviewed by the advisory committee; and work was about 75 percent completed on the state of the art of water supply management report.

### **Relationship to Other Activities**

This project is designed to be coordinated with the groundwater element of the regional water quality management plan updating program, as documented under Project 300-5000.

### **Work Description/Methodology**

During the year 2006, work will be continued on the three-year planning program to develop a regional water supply plan. The work effort will result in a comprehensive regional water supply plan which will be designed to help manage the Region's water supply sources in an efficient, technically sound, cost-effective, and environmentally sound manner. The plan will serve as an important component of the regional and county comprehensive plans. During 2006, the state of the art report and a report on the legal aspects of water supply will be completed; and the alternative water supply plans will be developed and evaluated.

### **Schedule**

The regional water supply plan will be completed over the three-year period beginning early in 2005.

### **Products**

A SEWRPC planning report will be prepared and published documenting the plan. Interim outputs will be developed as needed for use by water utilities, counties, and others in local plan preparation.

**Funding Source**

<u>SEWRPC</u> <u>(tax levy)</u>	<u>(Service Agreements)</u>	<u>Total</u>
20%	80%	100%
\$142,805	\$580,220	\$723,025

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## Chapter VI

### PROPOSED 2006 REGIONAL FLOODLAND MANAGEMENT PLANNING PROGRAM

#### INTRODUCTION

The proposed year 2006 regional floodland management planning program consists of six projects divided into two basic tasks as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
General Floodland Management Projects	330-1000	Continuing Floodland and Stormwater Management Planning
	330-2000	Flood Hazard Area Mapping within Milwaukee County
	330-2100	Flood Hazard Area Mapping for Watersheds Tributary to Milwaukee County
	330-3000	Continuing Watershed Planning— Flood-Flow and Flood-Stage Revisions
Special Floodland Management	350-1000	Cooperative Streamflow-Gaging Program

The balance of this chapter consists of the presentation of individual project descriptions. The program budget is summarized in Chapter XII.

## **PROJECT 330-1000: CONTINUING FLOODLAND AND STORMWATER MANAGEMENT PLANNING**

### **Objective**

To abate flood damages through the development and implementation of sound comprehensive floodland and stormwater management planning, and the preservation and protection of floodlands.

### **Previous and Current Work**

This is a continuing program which relies and builds upon previous work and previously developed plans. During the year 2005, the Commission staff continued to provide available hydrologic and hydraulic data and technical assistance relating to stormwater and floodland management to governmental agencies, local units of government, their contractors, and private interests. In 2005, work continued on a watershed protection plan for the Pebble Creek subwatershed and on a floodplain study of about 25 miles of stream in the Oconomowoc River watershed. In addition, the Commission staff assisted the Wisconsin Department of Natural Resources (WDNR) and the Federal Emergency Management Agency (FEMA) in implementing the FEMA Floodplain Map Modernization program in Kenosha, Milwaukee, Ozaukee, Racine, Washington, and Waukesha Counties. That assistance included coordinating to identify available modeling data and obtaining extensive field survey data for hydraulic structures in Waukesha County. In addition, the Commission has conducted a number of special studies and assisted in floodland and stormwater management programs.

### **Relationship to Other Activities**

This project involves activities which in part relate to implementation of comprehensive watershed plans as have been completed for eight of the Region's 12 watersheds.

### **Work Description/Methodology**

The project involves the development and provision of hydrologic-hydraulic data and technical assistance to government agencies, local units of government, their contractors, and private parties. This technical work involves re-evaluation and refinement of hydrologic-hydraulic data developed, and flood control management recommendations set forth in adopted watershed plans. Special stormwater management plans will be prepared addressing stormwater drainage, flood control, and nonpoint source pollution control. Assistance will also be provided to local units of government to develop project scoping and review of stormwater plans and in stormwater permitting activities. During 2006, assistance will be provided to Kenosha, Milwaukee, Ozaukee, Racine, Washington, and Waukesha Counties; WDNR; and FEMA in conducting the Floodplain Map Modernization Program. Also in 2006, work will continue on a watershed protection plan for the Pebble Creek subwatershed.

### **Schedule**

This work effort is continuing with products being prepared over the course of the year.

### **Products**

An estimated 12 letter or memorandum reports will be prepared, and a full file maintained of all flood-flow and flood-stage data for the areas of the Region for which comprehensive watershed plans have been prepared and adopted. Community assistance reports will be prepared to document the all hazard mitigation plans for Kenosha County and the City of Milwaukee.

**Funding Source**

<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
57%	43%	100%
\$80,000	\$60,000	\$140,000

## **PROJECT 330-2000: FLOOD HAZARD MAPPING WITHIN MILWAUKEE COUNTY**

### **Objective**

To complete a multi-purpose, multi-user, parcel-based automated mapping and land information system for all of Milwaukee County.

### **Previous and Current Work**

During 2005, work continued on Phase I of the mapping. Work was initiated on hydrologic and hydraulic modeling/modeling review for Brown Deer Park Creek, Fish Creek, and Indian Creek. Work was initiated on the hydraulic modeling of Woods Creek. Work continued on updating the hydrologic analyses for the Kinnickinnic and Menomonee River watersheds and on the hydraulic analyses for the Little Menomonee River.

### **Relationship to Other Activities**

This project involves activities which relate to implementation of comprehensive watershed plans as have been completed for the Menomonee River, Milwaukee River, Kinnickinnic River, Root River, and Oak Creek watersheds. The project also complements and is being coordinated with project 330-2100 which provides for similar mapping in the watershed areas tributary to Milwaukee County.

### **Work Description/Methodology**

The proposed project will consist of the development of accurate mapping in digital format of the 10-, 50-, 100-, and 500-year recurrence interval floodplain areas and 100-year Lake Michigan coastal flooding areas within Milwaukee County. The project area consists of 508 U.S. Public Land Survey one-quarter sections and encompasses riverine floodplain and Lake Michigan coastal flooding areas in all of the communities in the County, including the Cities of Cudahy, Franklin, Glendale, Greenfield, Milwaukee, Oak Creek, South Milwaukee, Wauwatosa, and West Allis and the Villages of Bayside, Brown Deer, Fox Point, Greendale, Hales Corners, River Hills, St. Francis, Shorewood, West Milwaukee, and Whitefish Bay.

### **Schedule**

This work effort for Phase I will be completed during 2006. The Phase II, or final phase, is scheduled to be completed in 2008.

### **Products**

Upon completion of this project, floodplain boundaries will have been accurately delineated and digitally added to all large-scale topographic maps prepared under the MCAMLIS project. The proposed mapping will consist of layers in the system which can readily be combined with the large-scale cadastral, as well as topographic maps which have been prepared under the MCAMLIS program. The layers will also be suitable for use with digital orthophotographic products and other map products correctly related to the MCAMLIS survey control network. Four layers will include the 10-, 50-, 100-, and 500-year recurrence interval floodplain boundaries; a fifth the 100-year recurrence interval floodway boundaries; and a sixth the flood stage elevations, cross-section locations, and river mile stations. The mapping will provide an improved basis for local floodplain zoning, which is currently required under Chapter NR 116 of the *Wisconsin Administrative Code* and is in place in all of the communities in Milwaukee County.

### **Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$128,685	\$128,685



**PROJECT 330-2100: FLOOD HAZARD MAPPING FOR AREAS  
TRIBUTARY TO MILWAUKEE COUNTY**

**Objective**

To complete a multi-purpose, multi-user, parcel-based automated mapping and land information system for the watershed areas tributary to Milwaukee County.

**Previous and Current Work**

During 2005, work continued on Phase I of the mapping. Work was initiated on the hydraulic modeling of field surveyed bridges and culverts along tributaries to the Menomonee River in the Village and Town of Germantown

**Relationship to Other Activities**

This project involves activities which relate to implementation of comprehensive watershed plans as have been completed for the Menomonee River and Root River watersheds. The project also complements and is being coordinated with project 330-2000 which provides for similar mapping for flood hazards areas within Milwaukee County.

**Work Description/Methodology**

This project will consist of the development of accurate mapping in digital format of the 10-, 50-, 100-, and 500-year recurrence interval flood hazard areas along those stream reaches in the Menomonee and Root River watersheds located outside Milwaukee County, but tributary to stream reaches within Milwaukee County. The project area consists of 211 U.S. Public Land Survey one-quarter sections and encompasses riverine floodplain areas in the City of Mequon in Ozaukee County, the Village and Town of Germantown in Washington County, and the Cities of Brookfield, Muskego, and New Berlin and the Villages of Butler, Elm Grove, and Menomonee Falls in Waukesha County.

**Schedule**

This work effort for Phase I (Menomonee River watershed) will be completed during 2006. The Phase II, or final phase, (Root River watershed and Lake Michigan coast) is scheduled to be completed in 2008.

**Products**

Upon completion of this project, flood hazard area boundaries will have been accurately delineated and digitized along the stream reaches concerned. The proposed mapping will consist of digital layers which can readily be combined with the digital, large-scale cadastral, as well as topographic mapping which has been prepared to SEWRPC standards in the Waukesha County portions of the study area and the digital large-scale topographic mapping which has been prepared to SEWRPC standards in the Ozaukee County portion of the study area. The layers will also be suitable for use with digital orthophotographic and other map products prepared to SEWRPC standards. Four layers will include the 10-, 50-, 100-, and 500-year recurrence interval flood hazard area boundaries; a fifth the 100-year recurrence interval floodway boundaries; and a sixth the flood stage elevations, cross-section locations, and river mile stations.

**Funding Source**

<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
50%	50%	100%
\$68,085	\$68,085	\$136,170

**PROJECT 330-3000: CONTINUING WATERSHED PLANNING—  
FLOOD-FLOW AND FLOOD-STAGE REVISIONS**

**Objective**

To assist local, State, and Federal units and agencies of government through the reevaluation of flood flows and stages, using all available hydrologic, hydraulic, and topographic data.

**Previous and Current Work**

Prior to the year 2005, the Commission staff updated the hydrologic and hydraulic analyses for the Oak Creek watershed that were originally conducted under the comprehensive watershed plan. The Commission staff also refined hydrologic modeling for the Pike River watershed. Updated and expanded rainfall intensity, duration and frequency analyses were prepared or documented in a technical report for use regionwide. In 2005, floodland boundaries were delineated on large-scale topographic maps prepared for portions of Kenosha, and Racine Counties. Also in 2005, the Commission staff coordinated with the Federal Emergency Management Agency (FEMA) to assist the Cities of Glendale and Milwaukee in obtaining Letters of Map Revision to remove hundreds of homes from the 100-year recurrence interval floodplain of Lincoln Creek based on updated floodplain/floodway maps prepared by the Commission staff to reflect the MMSD Lincoln Creek flood control and ecosystem restoration project. The Commission staff also prepared hydraulic analyses for proposed bridges over the Little Menomonee and Root Rivers and responded to numerous hydrologic and hydraulic data and analysis requests from counties, municipalities, State and Federal agencies, and private consultants.

**Relationship to Other Activities**

This project involves the preparation of the basic watershedwide, hydrologic and hydraulic data. This data is used for site-specific analyses by the Commission staff and others as described under Project 330-1000, Continuing Floodland and Stormwater Management Planning.

**Work Description/Methodology**

Comprehensive plans have been completed for eight of the Region's 12 watersheds: the Root River, Fox River, Milwaukee River, Menomonee River, Kinnickinnic River, Pike River, Des Plaines River, and Oak Creek watersheds. Moreover, the Commission has developed tools for use in those parts of the Region for which watershed studies have not been prepared and for selected smaller streams not previously studied. The Commission will conduct data research and analyses needed for re-evaluation and refinement of hydrologic-hydraulic data and flood control analyses, integrating all available data, including flood insurance study results. Data are incorporated as a layer on large-scale topographic mapping as needed and schedules allow. In 2006, work will begin on an automated hydrologic and hydraulic study for approximately 4.8 stream miles along the East Branch of Nippersink Creek, an Unnamed Tributary to Powers Lake, and Powers Lake in Kenosha and Walworth Counties. It is anticipated that the analyses will utilize recently obtained digital terrain model information in the study area. Also, in 2006, it is anticipated that work will be initiated for the Milwaukee Metropolitan Sewerage District on a watercourse system plan for the main stem of the Milwaukee River in Milwaukee County.

**Schedule**

Work will be ongoing during the year.

**Products**

Flood-flow and flood-stage data, flood profiles, and delineated areas of inundation will be prepared and published in technical report format.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$181,735	\$181,735

## **PROJECT 350-1000 COOPERATIVE STREAMFLOW-GAGING PROGRAM**

### **Objective**

To provide long-term records of streamflow data in support of local, State, and Federal water resources management decisions.

### **Previous and Current Work**

Streamflow data were collected and published from a network of 32 continuous-recording stream-gaging stations during 2005.

### **Relationship to Other Activities**

The streamflow data collected are essential to sound hydrologic analyses of the storm system and are integrated into the continuing floodland management and watershed planning work.

### **Work Description/Methodology**

This project involves the preparation of an annual work program and contract with the U.S. Geological Survey (USGS) and the maintenance of a set of 32 recording stream gages. The USGS will perform the gage maintenance work and collect and publish the data.

### **Schedule**

This is an ongoing project carried out over the course of the year.

### **Products**

Streamflow data is set forth in a published report by the U.S. Geological Survey. Data from most gages is available electronically on a real time basis.

### **Funding Source**

<u>USGS</u>	<u>SEWRPC</u> <u>(service agreements)</u>	<u>Total</u>
50%	50%	100%
\$81,900	\$81,900	\$163,800

## Chapter VII

### PROPOSED 2006 COASTAL MANAGEMENT PLANNING PROGRAM

#### INTRODUCTION

The proposed 2006 coastal management planning program consists of two projects classified within two tasks, as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Coastal Management Coordination Projects	390-1000	Coastal Management Program Coordination
	390-2000	Coastal Erosion Management Program

These projects are described on the following pages. The program budget is summarized in Chapter XII.

## **PROJECT 390-1000: COASTAL MANAGEMENT PROGRAM COORDINATION**

### **Objective**

To assist the Wisconsin Department of Administration in the conduct of the Wisconsin Coastal Management Program; to assist local units and agencies of government in their ability to better manage their coastal resources; to develop planning and engineering data which can contribute to the resolution of encroachment on ecologically sensitive areas, waterfront blight, and flooding problems; to undertake both the collection of statistical data and public attitudinal surveys concerning the demand for commercial and recreational fishing and the need for further port developments along the Southeastern Wisconsin lake-shore as requested by the Wisconsin Coastal Council; and to develop a public attitudinal program under which the major and complex issue of the desirability of public accessibility to the shoreline can be determined.

### **Current and Previous Work**

Assisted numerous local units of government to develop coastal management program projects. Participated in activities designated by the Wisconsin Coastal Management Council, including the Wisconsin Wetland Delineation Training Courses.

### **Relationship to Other Activities**

The Commission's data base is actively used in the conduct of this project. Specifically, the Commission's land use, natural resource, soils, and topographic information is used in the development of planning and engineering data related to the coastal zone. In addition, the Commission's land use; sewer service area; park recreation, and open space; and natural area and critical species habitat plans are continuously utilized.

### **Work Description/Methodology**

The Commission staff will assist local units and agencies of government within the coastal management area in the identification and management of special coastal areas, as well as assist in identifying coastal management projects for local implementation utilizing coastal management funds. In addition, Commission staff will, upon request, assist local coastal governments with developing project requests for possible Federal funding under the Coastal Zone Management Act of 1972, as amended. Public attitudes on issues pertaining to the coastal area will continue to be solicited through the Southeastern Wisconsin Coastal Management Committee, made up of local public officials, technical experts, and appointed citizen leaders. The Commission will continue to participate in public information activities through the solicitation and dissemination of news releases, public informational meetings, and other means. Further, the Commission will continue to provide instructors for the Wisconsin Wetland Delineation training courses.

### **Schedule**

This project is conducted annually.

### **Products**

News releases, committee meetings, staff meetings, training workshops, local government meetings, letters, and letter reports.

### **Funding Source**

<u>WisDOA</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
50%	50%	100%
\$20,000	\$20,000	\$40,000

## **PROJECT 390-2000: COASTAL EROSION MANAGEMENT PROGRAM**

### **Objective**

To assist the Wisconsin Department of Administration in the conduct of the Wisconsin Coastal Management Program; to assist local units and agencies of government in their ability to better manage their coastal resource.

### **Current and Previous Work**

During 2003 and 2004, digital files were obtained from the University of Wisconsin Sea Grant Institute illustrating the bluff top and toe in Racine County under 1956 conditions. For selected areas in Racine County, these digital files were plotted on the Commission's 2000 orthophotography to determine the change in bluff conditions. The bluff erosion risk areas identified in the Racine County 1982 erosion management study were digitized.

### **Relationship to Other Activities**

The Commission's data base is actively used in the conduct of this project. Specifically, the Commission's land use, natural resource, soils, and topographic information is used in the development of planning and engineering data related to the coastal zone.

### **Work Description/Methodology**

The 2006 cooperative coastal management program of the Southeastern Wisconsin Regional Planning Commission (SEWRPC) and the Wisconsin Department of Administration, Coastal Management Program, included an element to complete the development of a geographic information system (GIS) data base related to coastal erosion and bluff stability of the Lake Michigan coastal areas in Racine County. The procedures established will be designed to be used in other Lake Michigan counties. Accordingly, close cooperation with the Wisconsin Department of Administration Coastal Management Work Group, the University of Wisconsin Sea Grant Institute, and the Wisconsin Department of Natural Resources will be important.

The major work elements of this program are as follows:

- Collate and review previous planning programs and studies related to Lake Michigan erosion hazard areas in Racine County.
- Work with the Coastal Management Program and the University of Wisconsin-Extension Sea Grant Institute to obtain available digital files of the historic bluff line in Racine County.
- Obtain or create digital files of the bluff line in Racine County using 2005 color orthophotography.
- Based upon analysis of the above, data and other available information, develop erosion risk areas for 25-, 50-, and 100-year periods and develop digital map overlays for these areas in Racine County.
- Coordinate the procedures for developing the erosion risk areas with the Coastal Management Program staff and Work Group and the University of Wisconsin-Extension Sea Grant Institute.
- Present the information developed at a public informational meeting or workshop.

### **Schedule**

This project will be completed in 2006.

**Products**

Digital files of the bluff line in Racine County under 1956 and 2005 conditions and mapping of erosion risk areas.

**Funding Source**

<u>WisDOA</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
79%	21%	100%
\$9,480	\$2,520	\$12,000



## Chapter VIII

### PROPOSED 2006 PLANNING RESEARCH PROGRAM

#### INTRODUCTION

The proposed 2006 planning research program consists of four projects divided into two basic tasks as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Basic Research Projects	400-1000	Demographic and Economic Data Research, Base File Creation and Maintenance, and Data Provision
	410-1000	Transportation-Related Environmental Inventories, Assessments, and Evaluations
Mapping and Related Projects	420-1000	Regional Base Mapping and Survey Control
	420-2000	Regional Orthophotography Program

The balance of this chapter consists of the presentation of individual project descriptions. The program budget is summarized in Chapter XII.

**PROJECT 400-1000: DEMOGRAPHIC AND ECONOMIC DATA RESEARCH, BASE FILE CREATION AND MAINTENANCE, AND DATA PROVISION**

**Objective**

To maintain current information on the Region's population and economy, analyze current population and economic trends, and prepare population, employment, and personal income forecasts in support of Commission planning programs.

To provide, upon appropriate request, historic, current, and planned demographic, economic, and related data and staff capabilities as may be useful in the day-to-day work of public and private agencies within the Region.

To provide technical assistance to the U.S. Bureau of the Census, the Wisconsin Department of Administration, and local units of government, as may be needed to help coordinate the efficient dissemination of various Census Bureau data products.

**Previous and Current Work**

The Commission staff annually collates and analyzes information on current population, household, and employment estimates for the Region.

The Commission has prepared data files indicating population, household, and employment levels by U.S. Public Land Survey quarter section on a periodic basis since 1963. An update of the quarter-section employment file and the population/household file to the year 2000 was completed in 2004. Projections of population, households, and employment for the Region to the year 2035 were also prepared.

The provision of data to public agencies and private interests from the Commission's demographic and economic data files is an ongoing activity. In a typical year, the Commission staff responds to about 150 requests for socioeconomic data.

**Relationship to Other Activities**

Historic, current, and projected demographic and economic data are essential to the Commission's land use, transportation, water quality, and community assistance planning programs. State, county, and local government agencies also utilize Commission historic, current, and projected demographic and economic data files for a wide range of planning activities. Use of Commission demographic and economic forecasts by other public agencies and private interests enables them to formulate land use and public facility plans and development proposals which are consistent with the regional plan.

**Work Description/Methodology**

The Commission will monitor and analyze population and employment trends in the Region using all available demographic and economic base data.

The Commission will continue to respond to requests from public agencies and private interests for historic, current, and planned demographic and economic data and assist in the interpretation and use of such data.

Population, household, and employment data will also be collated from the quarter-section files and other data sources as required in support of other Commission planning programs.

Upon request, Commission personnel will be assigned to advisory committees or task forces to coordinate research activities and to make available information contained in Commission data files.

The Commission will continue to assist in the dissemination of Census Bureau data - including data from the 2000 Federal Census, the American Community Survey, and the Current Population Survey - to State, county, and local units and agencies of government.

**Schedule**

Ongoing through 2006.

**Products**

Data files, tables, graphs, maps, and written analyses regarding the Region's demographic and economic base prepared for use in Commission planning programs and in response to requests from public agencies and private interests.

Current estimates of population, households, and employment presented yearly in the Commission *Annual Report*, along with a comparison of current and Commission-projected population, household, and employment levels.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC</u> <u>(tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$64,000	\$8,000	\$8,000	\$80,000

## **PROJECT 410-1000: TRANSPORTATION-RELATED ENVIRONMENTAL INVENTORIES, ASSESSMENTS, AND EVALUATIONS**

### **Objective**

To provide inventory data, assessments, and evaluations on woodlands, wetlands, prairies, wildlife habitats, and fish and other aquatic life in the Region in conjunction with alternative or proposed transportation system-related projects.

### **Previous and Current Work**

Projects have included field inspections and staking of wetlands for the STH 158/CTH H intersection reconstruction and the STH 32-reconstruction at CTH KR in the Town of Somers, Kenosha County; the IH 94 interchange reconstructions at CTH KR, STH 158 & CTH C in Kenosha and Racine Counties; the reconstruction of CTH ZZ from STH 38 to STH 794 in the Cities of Milwaukee, Oak Creek, Cudahy, and South Milwaukee, the North Honey Creek Parkway bridge replacements in the City of Wauwatosa, and the S. 122nd Street extension site along the west branch of the Root River in the City of West Allis, Milwaukee County; the IH 43(Rock Freeway) reconstruction between Sunny Slope Road & the Hale Interchange in Milwaukee and Waukesha Counties; the Wasaukee Road and County Line Road intersection reconstruction in Milwaukee, Ozaukee, Washington, and Waukesha Counties; the Pioneer Road(CTH C) reconstruction between Green Bay Road & Klug Lane in the Cities of Cedarburg, Grafton, and Mequon, Ozaukee County; the STH 32 & 7 Mile Road intersection improvements and the STH 38 reconstruction between 7 Mile Road & 4 Mile Road in the Town of Caledonia, the 3 Mile Road culvert extension at the East Branch of the Root River crossing in the Town of Raymond, and the STH 164 reconstruction between Wood Drive & STH 36 in the Town of Waterford, Racine County; the CTH O bridge replacement at Swan Creek in the Town of Delevan, the CTH H Bridge replacement at Jackson Creek in the Town of Geneva, and the USH 12 box culvert rehabilitation at Galloway Creek in the City of Whitewater, Walworth County; the Freistadt Road & Lilac Lane Bridge replacements at the Menomonee River crossing in the Village of Germantown, Washington County; the Calhoun Road reconstruction between Bluemound Road(USH 18) and Greenfield Avenue(STH 59) in the City of Brookfield, the CTH SR bridge replacement at the Fox River in the Cities of Brookfield and Pewaukee, the STH 164 reconstruction between Prospect Court & Howard Lane in the Town of Lisbon, the Pilgrim Road reconstruction between CTH Q & Megal Drive, and the STH 175(Appleton Avenue) reconstruction between Lilly Road & 124th Street in the Village of Menomonee Falls, the proposed STH 59 detention ponds at Springdale Road in the Cities of New Berlin and Waukesha, and the CTH X reconstruction between Genesee Road. & Highland Road in the City of Waukesha; Waukesha County.

### **Relationship to Other Activities**

Commission's large-scale aerial photography and topographic mapping is used to identify candidate sites and to report findings. In addition, the Commission's land use inventory, natural area and critical species habitat plan, soils mapping, and wetland inventory mapping are all used in evaluating project sites.

### **Work Description/Methodology**

Upon request, inventories, including field staking, of woodlands, wetlands, prairies, wildlife habitats, and fish and other aquatic life habitats will be conducted along with the preparation of a species list and noting of any rare, endangered, or threatened species present for sites being considered for roadway or bridge projects. Evaluation of sites will be made regarding their ecological value and significance within the Region. An assessment of any environmental impacts from proposed transportation projects will be provided upon request. In addition, inventories will be provided and preliminary design concepts will be prepared for stream restoration and relocation projects associated with transportation projects.

**Schedule**

This is a continuing project.

**Products**

Letter reports providing the inventory data and evaluating and assessing the environmental quality of selected transportation project sites within the Region.

**Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$32,000	\$4,000	\$4,000	\$40,000

## **PROJECT 420-1000: REGIONAL BASE MAPPING AND SURVEY CONTROL**

### **Objective**

To prepare and update base maps necessary to the conduct of ongoing Commission programs. To collect, collate, and disseminate control survey data necessary to the conduct of Commission, State, county, and municipal planning and engineering programs.

### **Previous and Current Work**

The base maps, which were converted to digital format by the Commission staff, are updated annually as resources permit to include municipal boundary changes. The maps are updated every five years to include changes in physical features. Control survey data files are maintained on a continuing basis.

### **Relationship to Other Activities**

Base mapping products are essential to the conduct of the regional planning program. They provide the basis for graphic presentation of data collected under regional inventories of urban growth and land use change. Control survey data products are used in regional base mapping as well as other Commission planning and engineering programs. Control survey data products are widely distributed.

### **Work Description/Methodology**

The Commission digital base map series will be updated using Wisconsin Department of Transportation State aid mileage summary maps to make changes in municipal boundaries; and using aerial photography obtained in the spring of 2005 to make changes in physical features. A variety of control survey data will be collected, collated, and disseminated including control survey summary diagrams; U.S. Public Land Survey corner, traverse station, and benchmark dossier sheets; and selected computer files. A project has been completed to disseminate control survey data via the internet (see 420-2000). Maintenance work for monumented control survey stations established under previous programs will be carried out as required.

### **Schedule**

The regional base mapping program and the regional control survey data program are continuous. Work will be conducted throughout the year 2006.

### **Products**

Updated digital base maps will be produced as described above. Updated control survey data files will be produced. Maintenance of control survey stations will produce the basis for current control survey data files.

### **Funding Source**

<u>USDOT</u>	<u>WisDOT</u>	<u>SEWRPC (tax levy)</u>	<u>Total</u>
80%	10%	10%	100%
\$160,000	\$20,000	\$20,000	\$200,000

## **PROJECT 420-2000: REGIONAL ORTHOPHOTOGRAPHY PROGRAM**

### **Objective**

To obtain orthophotography for the entire Region in the year 2005; to enable county and local governments to acquire enhanced products at their discretion and cost; to undertake research and development efforts attendant to height modernization through GPS technology; and to provide orthophotography and related control survey information to interested users via an Internet website for regional land information and via a public terminal at the Commission offices.

### **Previous and Current Work**

The SEWRPC obtains aerial photography at five-year intervals. Beginning in 1995, the standard product was upgraded to orthophotography and made available in digital, as well as hardcopy form. The 1995 and 2000 products meet National Map Accuracy Standards at a scale of 1" = 400' with a two-foot pixel. A research and development project involving the use of GPS technology to more efficiently obtain elevation data was conceived.

### **Relationship to Other Activities**

Imaging products are essential to the conduct of the regional planning program. They provide the basis for updating the Commission's regional base map series and for conducting regional inventories of urban growth and land use change. The year 2000 aerial photography is currently being used to prepare a major re-evaluation of the regional land use plan and transportation plan. The images are also extremely useful in a variety of work environments in both the public and private sectors. The image products are widely distributed. The regional land information system website makes the orthophotos and related survey information—including elevation data—available to a wide range of users. The public kiosk at the Commission offices provides another means of ready and convenient access to this information.

### **Work Description/Methodology**

During 2003, a photogrammetric engineering firm was selected for the year 2005 orthophotography program. That firm is responsible for conducting the entire program, including any special products requested by counties or municipal governments. During 2004, the specifications for the work and a project budget were finalized. Both the product specifications and the project budget were further refined during 2005. The necessary photography was obtained during March and April of 2005 after snowmelt and before leaf-out conditions. The regional product consisted of 1" = 200' scale color digital orthophotographs with a one-foot pixel resolution in uncompressed .tif format and compressed MrSID format. The uncompressed product was provided in "tiles" of approximately 5,000 map grid feet by 5,000 map grid feet. The compressed product was provided in files covering full USPLS townships. The color digital orthophotographs were post processed to also produce pseudo panchromatic (black and white) digital orthophotographs.

As an adjunct to the regional program, a number of county and local governments chose to fund the acquisition of larger scale aerial photography and the production of digital orthophotographic and related map products at larger scales and with smaller pixel sizes than the regional products. In such cases, the larger scale local products were substituted for the regional products. Copies of all regional products acquired were provided as part of the project cost to each funding agency. Access to the orthophoto images and related land survey information, including dossier sheets and control survey summary diagrams, will continue to be provided by means of a regional land information website and a public terminal.

**Schedule**

The regional orthophotography products will be completed and delivered in 2005; the local products will be delivered in early 2006. The development of the regional land information system website for orthophotography and survey information was undertaken during 2003 and was enhanced in 2004 and 2005. The development of the public access terminal began in late 2003; was substantially completed during 2004; and was operational by the end of 2005.

**Products**

A series of regional and local orthophotography products as described above; an Internet site for access to orthophotography and control survey information; and a public terminal, also for access to orthophotography and control survey information.

**Funding Source**

SEWRPC	
Service	
<u>Agreements</u>	<u>Total</u>
100%	100%
\$995,600	\$995,600



## Chapter IX

### PROPOSED 2006 COMMUNITY ASSISTANCE PLANNING PROGRAM

#### INTRODUCTION

The proposed 2006 community assistance planning program consists of eight projects divided into five basic tasks as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Advisory and Educational Projects	500-1000	Guidance on Local Planning Matters and Educational Services
Review Projects	510-1000	State and Federal Grant Review Services
	510-2000	Environmental and Agricultural Impact Statement Review Services
	510-4000	Subdivision Plat Review Services
Multi-Jurisdictional Comprehensive Plans	520-1000	Preparation of Multi-Jurisdictional Comprehensive Plans
Local Plan Implementation Devices	530-1000	Zoning Ordinances and Maps, Land Division Ordinances, Official Map Ordinances, and Other Local Plan Implementation Devices
Special Community Assistance Projects	770-9000	County Land Information System Assistance
	780-1000	County Surveyor Services

The balance of this chapter consists of the presentation of individual project descriptions. The program budget is summarized in Chapter XII.

**PROJECT 500-1000: GUIDANCE ON LOCAL PLANNING MATTERS AND EDUCATIONAL SERVICES**

**Objective**

To extend basic planning and engineering data to local units of government and interested citizens in the Region; to give advice on local planning matters on an ad hoc basis. To further the principles of sound planning by providing advisory and educational services to interested citizens and local units of government, as well as functional guidance on local planning matters.

**Previous and Current Work**

Information concerning specific Commission work programs, as well as the general work of the Commission, has been discussed with numerous groups. Commission staff has made formal presentations to many advanced education classes. The staff has also responded to many telephone calls and visits to the Commission offices.

The Commission staff has responded to questions regarding the interpretation of local zoning ordinances and local comprehensive plans, provided examples of regulatory solutions to various development problems, provided urban design solutions to various development problems, provided basic demographic data to local units of government and interested citizens in the Region, and prepared contracts and specifications for local mapping and planning programs.

**Relationship to Other Activities**

Providing information and education on the relationship between local planning matters and other aspects of the Commission work programs helps in the conduct of the regional planning program.

**Work Description/Methodology**

Educational services are provided to local units of government, as well as interested citizen groups, in order to explain the need for, and the purpose of, continuing local, regional, and state planning programs, and the relationships which exist among these several levels of planning, and to encourage creation, organization, staffing, and financing of local planning programs. The Commission staff prepares pamphlets and other general educational materials on local planning, planning implementation, and land development matters.

The Commission provides basic planning and engineering data available in Commission files. The provision of data may also include analytical work by the Commission staff, but such work efforts are short in duration, normally not exceeding two days in their preparation. The staff also prepares contracts and specifications for local mapping and planning programs. On request, Commission staff will attend local plan commission meetings to give advice on local plans.

**Schedule**

This activity is conducted on an on-going basis.

**Products**

Formal oral presentations and discussions with groups and individual citizens; pamphlets and other educational materials; letter reports; meeting attendance.

**Funding Source**

<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
33%	67%	100%
\$42,500	\$115,200	\$157,700

## **PROJECT 510-1000: STATE AND FEDERAL GRANT REVIEW SERVICES**

### **Objective**

To review and comment upon State and Federal grant applications for financial support of projects and work programs proposed by State, local, and areawide units of government and by various other agencies and individuals.

### **Current and Previous Work**

The Commission staff reviewed 109 applications requesting about \$203 million in Federal and State aids in 2004. An estimated 110 applications will be reviewed in 2005.

### **Relationship to Other Activities**

Federal and State agencies are advised whether or not a development project proposed to be provided with Federal or State funding assistance is in conformance with and/or serves to implement regional plans or plan components adopted by the Commission.

### **Work Description/Methodology**

The function of areawide planning agency review of Federally assisted local and State development projects began in 1964, reflecting increasing Federal government concern that Federal loan, grant, and mortgage insurance programs in large metropolitan regions be used effectively on an areawide basis. In addition to performing these Federal aid reviews, the Commission reviews applications for State grants-in-aid for pollution prevention and abatement facilities and for local parkland acquisition and facility construction.

In accordance with a policy statement adopted by the Commission on October 9, 1967, applications are reviewed to determine whether the proposed project is in conformance with and serves to implement regional, watershed, and district plans or plan elements prepared or adopted by the Commission; is not in conflict with such plans or plan elements prepared and adopted or under preparation by the Commission; or is in conflict with such plans or plan elements prepared and adopted or under preparation by the Commission or is in conflict with or duplicates other proposed projects.

In addition to determining the relationship of a project to adopted regional plan elements, the Commission solicits review comments, as appropriate, from other agencies conducting planning programs more directly related to a particular functional area and schedules interagency meetings to discuss any problems that may be associated with the proposed projects or programs.

### **Schedule**

This activity is conducted on an on-going basis. The Commission staff will review and comment on an estimated 110 to 120 applications in 2006.

### **Products**

Clearinghouse notices and letter reports dealing with an estimated 110 to 120 applications per year.

### **Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$5,000	\$5,000

**PROJECT 510-2000: ENVIRONMENTAL AND AGRICULTURAL  
IMPACT STATEMENT REVIEW SERVICES**

**Objective**

To review and comment on State, Federal, and local projects that may have a significant effect on the natural and agricultural environments.

**Previous and Current Work**

Environmental and agricultural impact statements are routinely provided to the Commission for review and comment. The Commission staff expects to review two to four impact statements annually.

**Relationship to Other Activities**

No specific relationship.

**Work Description/Methodology**

The Commission staff reviews environmental and agricultural impact statements where the subject project may have a negative or positive impact on the natural or agricultural environment. The purpose of the review is to determine whether the proposed project is in conformance with and serves to implement regional, watershed, and district plans or plan components adopted by the Commission, or is in conflict with or duplicates other proposed projects.

**Schedule**

This activity is on going. It is anticipated that the Commission staff will review and comment on two to four impact statements during 2006.

**Products**

Letter reports.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$5,000	\$5,000

## **PROJECT 510-4000: SUBDIVISION PLAT REVIEW SERVICES**

### **Objective**

To respond to requests from local governments to determine whether preliminary plats are in conformance with adopted regional plans.

### **Previous and Current Work**

The Commission staff reviewed 59 preliminary plats in the Southeastern Wisconsin Region in 2004. The Commission staff expects to review an estimated 55 to 60 preliminary plats and certified survey maps during 2005.

### **Relationship to Other Activities**

Local units of government are advised whether or not submitted applications for subdivisions or land divisions are in conformance with, and serve to implement, regional, watershed, and district plans or plan elements prepared and adopted or under preparation by the Commission.

### **Work Description/Methodology**

The Commission staff, in response to requests from local governments, reviews preliminary subdivision plats and certified survey maps to determine whether they are in conformance with and serve to implement regional, watershed, and district plans or plan elements prepared and adopted or under preparation by the Commission. Copies of Commission letters are provided to the District Office of the Wisconsin Department of Transportation if the plat abuts a state trunk highway or connecting highway.

### **Schedule**

This activity is conducted on an on-going basis. The Commission staff will review an estimated 55 to 60 preliminary plats during 2006.

### **Products**

Letter reports.

### **Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$5,000	\$5,000

## **PROJECT 520-1000: PREPARATION OF MULTI-JURISDICTIONAL COMPREHENSIVE PLANS**

### **Objective**

To work with County and local governments to prepare joint county-local multi-jurisdictional comprehensive plans that will meet the requirements of the comprehensive planning law set forth in Section 66.1001 of the Wisconsin Statutes and serve to refine and detail the regional land use and transportation plan elements and other elements of the regional plan.

### **Previous and Current Work**

During 2003 and 2004, the Commission staff worked with Ozaukee County to develop a work program and cooperative agreements to guide preparation of a multi-jurisdictional comprehensive plan for Ozaukee County and comprehensive plans for each of the 14 participating cities, towns, and villages. The County was awarded a comprehensive planning grant in February 2004. Work during 2004 included preparation of a public participation plan, development of a public opinion survey, and preparation of a base map. The Commission staff will have primary responsibility for preparing the plan report for review by County and local officials, advisory committees, and citizens.

The Commission staff was asked to serve on the advisory committee guiding the preparation of the Waukesha County multi-jurisdictional comprehensive plan, which includes the County and 26 cities, towns, and villages within the County. County staff will have primary responsibility for preparing the plan. Commission staff will provide data and technical assistance in response to requests from the County. During 2004, the Commission staff provided comments on planning materials prepared by County staff.

The Commission staff also worked with county and local governments in Kenosha, Racine, Walworth, and Washington Counties through numerous meetings to develop work programs and cooperative agreements to guide preparation of joint county-local comprehensive plans in each county. The work program for each county describes the planning partnership, the contents of the plan, products, committee structure, the responsibilities of each partner, and a proposed schedule for completing the plan. The Commission staff will have primary responsibility for preparing plan reports for each of the four counties, and will prepare and submit applications for 2005 comprehensive planning grants from the Wisconsin Department of Administration to assist in the planning efforts.

Milwaukee County may not be required to prepare a comprehensive plan, depending on legal interpretations regarding the incorporation of city and village plans into a county comprehensive plan and the 2004 amendment to the consistency requirements of the comprehensive planning law. The Commission staff has provided assistance upon request to cities and villages in Milwaukee County preparing comprehensive plans, which in 2004 included drafting a "Request for Proposal" for a comprehensive plan for the City of Franklin and preparation of population and employment forecasts for the City of St. Francis in 2003.

### **Relationship to Other Activities**

The regional plan is intended to be refined and detailed through the preparation of county- and local-level plans. As it assists counties and participating cities, towns, and villages in preparing comprehensive plans, the Commission will encourage them to incorporate regional land use plan recommendations regarding the location and intensity of future urban development, the preservation of environmentally significant areas, and the maintenance of rural character outside planned urban service areas; and to incorporate regional transportation system plan recommendations regarding arterial streets and highways, transit, airports, and bicycle and pedestrian ways.

**Work Description/Methodology**

Preparation of the multi-jurisdictional comprehensive plans will include the conduct of inventory, analysis, forecast, plan design, plan evaluation, and report preparation work attendant to such plans. These work efforts will include extensive public participation in accordance with a public participation plan to be developed and adopted by the County Board and each participating local government in the first year of each planning effort. All of the planning work will be carried out within the framework of the 1999 State comprehensive planning law.

**Schedule**

Work during 2005 on the Ozaukee County multi-jurisdictional comprehensive plan will include inventory work; the identification of planning issues, goals, and objectives; the conduct and tabulation of a public opinion survey; and public informational meetings about the plan. Work in 2006 and 2007 will focus on preparing drafts of the nine planning elements required by the comprehensive planning law, compilation of a draft plan, and review and comment on the plan by public officials and citizens. The plan is anticipated to be completed and adopted by the County Board and all participating local governments by spring 2008.

Work on multi-jurisdictional comprehensive plans for Kenosha, Racine, Walworth, and Washington Counties will be subject to the award of 2005 comprehensive planning grants by the Wisconsin Department of Administration. The grant program provides a 48-month period for completion of a multi-jurisdictional county-local comprehensive plan. Upon award of a grant, the work schedule for the multi-jurisdictional plans generally calls for a public participation plan to be prepared and adopted and the conduct of inventory work during the first year, preparation of the nine planning elements and compilation of a draft plan during the second and third years, and review and adoption of the plans by the County Board and the governing body of each participating local government during the fourth year.

Commission staff will continue to serve on advisory committees for the Waukesha County multi-jurisdictional comprehensive plan and provide data and technical assistance as requested by the County. Data and technical assistance will also be provided on request to local units of government that are not participating in a multi-jurisdictional county-local planning effort.

**Products**

The multi-jurisdictional comprehensive plan reports for Kenosha, Ozaukee, Racine, Walworth, and Washington Counties will be documented in Commission community assistance planning reports. As part the multi-jurisdictional planning process in Kenosha, Racine, Walworth, and Washington Counties, the Commission has offered to produce individual comprehensive plan reports for participating local governments upon request. Requested local comprehensive plans will also be documented in Commission community assistance planning reports. Ozaukee County staff will produce local plan reports for cities, towns, and villages participating in the Ozaukee County multi-jurisdictional planning effort. Waukesha County staff will produce all reports documenting County and local comprehensive plans resulting from its multi-jurisdictional planning effort.

**Funding Source**

SEWRPC <u>(tax levy)</u>	SEWRPC <u>(Service Agreements)</u>	<u>Total</u>
33%	66%	100%
\$45,000	\$186,000	\$231,000

**PROJECT 530-1000: ZONING ORDINANCES AND MAPS, LAND DIVISION ORDINANCES, OFFICIAL MAP ORDINANCES, AND OTHER LOCAL PLAN IMPLEMENTATION DEVICES**

**Objective**

To prepare or revise local zoning ordinances and maps to better reflect existing and planned urban and rural development and to protect natural resource and floodplain areas from incompatible development. To prepare or revise local land subdivision control ordinances to better enable local governments to cope with land development problems. To prepare local official maps to reserve proposed street rights-of-way and proposed parks and open spaces. To assist communities in the preparation of other plan implementation devices, such as design control guidelines.

**Previous and Current Work**

During 2005, work was completed on an updated zoning map, in digital format, for the Town of Belgium. Work was completed on updated shoreland and floodplain zoning maps and an updated Shoreland and Floodplain Zoning Ordinance for Ozaukee County. The new ordinance and maps are expected to be adopted by the County Board in early 2006. Work was initiated on updated zoning ordinances and maps for the Village of Hartland and the Village of Wales, and on a land division ordinance for the Town of Belgium. An update to the Village of Silver Lake floodplain and shoreland-wetland zoning map and floodplain zoning ordinance was initiated. Minor updates to the Town of Addison zoning ordinance and an update and conversion to digital format of the Town zoning map were completed. Minor updates to the Town of Polk zoning ordinance and map were also completed. Commission staff also reviewed and commented on the City of Franklin floodplain zoning regulations and the Walworth County zoning ordinance in response to requests from the City Engineer and County Deputy Planning Director, respectively.

**Relationship to Other Activities**

Zoning ordinances, land division ordinances, and official maps are some of the most important devices available for the implementation of local land use plans. The implementation of local land use plans that are consistent with regional plans furthers the objectives of the regional planning program in the Region.

**Work Description/Methodology**

Zoning or land division ordinances are prepared for local municipalities from model ordinances prepared by the Commission. Ordinance language, zoning maps, and official maps are customized to the needs of each local community. Assistance with street layouts is provided for use in official maps.

**Schedule**

Adoption and publication work on the shoreland and floodplain zoning ordinance and maps for Ozaukee County is expected to be completed in 2006. Work on the Village of Silver Lake floodplain zoning ordinance and map, the update to the Village of Hartland zoning ordinance and map, and work on a land division ordinance for the Town of Belgium will also be completed in 2006. Work will continue on the update of the Village of Wales zoning ordinance and map during 2006. The Commission staff will initiate work on an update to the land division ordinance for the Village of Kewaskum in 2006.

**Products**

Published zoning ordinances and maps, land division ordinances, and official map ordinances.

**Funding Source**

SEWRPC	
(tax levy)	<u>Total</u>
100%	100%
\$5,000	\$5,000



## **PROJECT 770-9000: COUNTY LAND INFORMATION SYSTEM ASSISTANCE**

### **Objective**

To assist county and local units of government in the Region in developing modernized systems of land records management, with particular emphasis on the development of countywide, multi-purpose, automated land information systems using modern computer hardware and software technology.

### **Previous and Current Work**

Prior to 1993, the Commission completed initial county land information system plans for each of the Region's seven counties. Between 1993 and 2005, the Commission continued work under contract to Kenosha and Milwaukee Counties directed toward implementation of the land information system plans in those two counties. Between 1993 and 2004, the Commission continued similar land information system plan activities with Waukesha County. In 1994, the Commission entered into contracts with Walworth and Washington Counties to begin the implementation of the land information system plans in those two counties. This work continued between 1994 and 2005. In 1995, the Commission entered into a contract with Racine County directed toward the implementation of the Racine County land information system plan. This work continued between 1995 and 2005. Technical assistance in laying the foundation for implementation of the Ozaukee County land information system plan was provided to Ozaukee County during 1993 and 1994. During 1999, the Commission prepared updated land information system plans for Kenosha, Milwaukee, Racine, and Walworth Counties. Amendments to the Milwaukee County land information plan were prepared during 2003 and 2004. In 2005, the Commission assisted Racine County with another update of its land information system plan.

### **Relationship to Other Activities**

The development of modern land information systems in the Region's seven counties is important for both local and regional planning efforts. The countywide systems provide ready access and retrieval of information, assist in the maintenance of land records and maps, and facilitate planning and development at the local and regional levels.

### **Work Description/Methodology**

Much of the work under this project is done pursuant to letter agreements and contracts with the county and local units of government concerned. In 2006, the Commission will continue to provide administrative assistance to Kenosha, Milwaukee, Racine, and Washington Counties in the conduct of various topographic mapping projects. The Commission staff also anticipates providing technical assistance to all seven counties in the Region in the implementation of their land information system plans.

### **Schedule**

This project is conducted annually.

### **Products**

Community assistance planning reports, staff memoranda, hardcopy and digital base maps, miscellaneous digital land information files, and technical advice related to the promulgation and implementation of land records modernization projects.

### **Funding Source**

<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
58%	42%	100%
\$100,255	\$107,900	\$208,155

**PROJECT 780-1000: COUNTY SURVEYOR SERVICES**

**Objective**

To perform the statutory duties and functions of the County Surveyor within those southeastern Wisconsin Counties that request such services. Such work helps perpetuate the U.S. Public Land Survey System within the Region, and maintains the foundation for the modernized land records systems in the Region.

**Previous and Current Work**

Perform the duties and functions of County Surveyor, as required by statute; provide field support to County Surveyors.

**Relationship to Other Activities**

The monumented U.S. Public Land Survey System is essential to the conduct of the regional planning program. It provides the basis for the regional base mapping program (PROJECT 420-1000) and for the conduct of both private cadastral and public engineering surveys. U.S. Public Land Survey data products are widely distributed.

**Work Description/Methodology**

The U.S. Public Land Survey System will be maintained by perpetuating the corner locations as needed. The previously established horizontal and vertical control surveys for the corners will also be maintained. Dossier sheets for the perpetuation of the corners will be prepared.

**Schedule**

County Surveyor services will be provided throughout the year 2006.

**Products**

Perpetuated U.S. Public Land Survey corners; revised dossier sheets; revised control survey summary diagrams. Web distribution of data.

**Funding Source**

SEWRPC	
<u>(service agreements)</u>	<u>Total</u>
100%	100%
\$347,850	\$347,850

## Chapter X

### PROPOSED 2006 ECONOMIC DEVELOPMENT PLANNING PROGRAM

#### INTRODUCTION

The proposed 2006 economic development planning program consists of five projects divided into four basic tasks as follows:

<u>Task</u>	<u>Project Number</u>	<u>Project Name</u>
Local Economic Development Program Planning	600-1000	Economic Development Program Planning Technical Assistance
Economic Development Data and Information Provision	610-1000	Extension of Economic Development-Related Data and Business Finance Information
Economic Development Project Planning Services	620-1000	Preparation of Economic Development Project Planning Studies
Federal and State Grant-in-Aid Assistance	630-1000	Procurement of Federal and State Grant-in-Aid and Provision of Technical Assistance
	630-3000	Administration of Federal and State Grant-in-Aid Awards and Revolving Loan Fund Programs and Provision of Technical Assistance

These projects are described on the following pages. The program budget is summarized in Chapter XII.

**PROJECT 600-1000: ECONOMIC DEVELOPMENT PROGRAM PLANNING  
TECHNICAL ASSISTANCE**

**Objective**

To assist local units of government, development corporations, and other economic development organizations in developing technical and institutional capacity by providing information and project assistance on economic development program planning.

**Previous and Current Work**

The Commission staff has provided technical and project assistance on alternative economic development programs, including the preparation of economic development plans and fact books and the implementation of specific economic development-related activities. In addition, Commission staff has participated in the activities of the Regional Economic Partnership—an economic development initiative of the seven counties in the Southeastern Wisconsin Region, the City of Milwaukee, the Wisconsin Electric Power Company, the Metropolitan Milwaukee Association of Commerce, and the Commission.

**Relationship to Other Activities**

Local economic development planning is intended to address a variety of local and regional economic development problems and to assist with the implementation of the regional planning program.

**Work Description/Methodology**

During 2006, the Commission staff will provide assistance upon request to local units of government, development corporations, and other economic development organizations regarding the process of planning for and implementing alternative economic development programs. The Commission staff will also continue to participate in the activities of the Regional Economic Partnership, including the administration of two State of Wisconsin technology zones in Southeastern Wisconsin.

**Schedule**

All work will be completed during 2006.

**Products**

Oral presentations and discussions with groups, local officials, and other citizens; telephone and in-person consultations; letter correspondence; and preparation of economic development planning staff memorandums. Provision of training, with emphasis on individualized instruction to local government officials to establish community economic development technical and institutional capacity.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$40,000	\$40,000

**PROJECT 610-1000 EXTENSION OF ECONOMIC DEVELOPMENT-RELATED DATA AND BUSINESS FINANCE INFORMATION**

**Objective**

To assist local units of government, Federal and State agencies, development corporations, and other economic development organizations in developing technical and institutional capacity by providing economic development-related data and business finance information.

**Previous and Current Work**

The Commission staff routinely provides economic development-related data and information to local units of government in the Region, Federal and State agencies, local development corporations, other economic development organizations, businesses, and local citizens. The Commission staff also provides assistance to local community staff and representatives of businesses interested in locating or expanding in communities in Southeastern Wisconsin and utilizing State and Federal business loan programs to do so. In 2005, this assistance was provided at locations within each of the Region's seven counties.

**Relationship to Other Activities**

Provision of economic development data and information is important to the economic development planning efforts undertaken by local units of government. The data and information is also used by businesses interested in locating or expanding within the Region.

**Work Description/Methodology**

During 2006, the Commission staff will provide economic development-related data and business finance information upon request to local units of government, Federal and State agencies, local development organizations, businesses, and local citizens. In addition, technical assistance will be provided in the analysis of the data and information.

**Schedule**

All work will be completed during 2006.

**Products**

Oral presentations and discussions with groups, local officials, and other citizens; telephone and in-person consultations; and letter correspondence.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$15,000	\$15,000

**PROJECT 620-1000: PREPARATION OF ECONOMIC DEVELOPMENT PROJECT PLANNING STUDIES**

**Objective**

To assist local units of government, development corporations, and other economic development organizations in planning for and preparing local detailed community economic development project planning studies.

**Previous and Current Work**

The Commission staff has provided technical assistance in the conduct of resident surveys of consumer shopping preferences; the preparation of market feasibility studies; the preparation of industry retention surveys; the preparation of industry attraction studies, the preparation of an industrial park land absorption study for Racine County; the preparation, distribution, and updating of community economic profiles for communities throughout the Region, as well as providing electronic copies of these profiles on the Commission’s website; the provision of assistance in relocating businesses and residential dwellings; the preparation of a flood mitigation plan and an all hazards mitigation plan for Kenosha County; the preparation, distribution, and updating of a directory of industrial and business parks in the Region; and the identification of public- and private-sector resources for the creation of economic development and housing programs.

**Relationship to Other Activities**

Economic development project planning services are intended to assist with the implementation of community economic development programs that are undertaken by local units of government. The products that are developed have widespread use within the Region.

**Work Description/Methodology**

During 2006, the Commission staff will provide assistance upon request to local units of government, development corporations, and other economic development organizations in planning for and implementing economic development project planning studies. In addition, the series of community economic profiles will be made available through the Commission’s website.

**Schedule**

All work will be completed during 2006.

**Products**

Oral presentations and discussions with groups, local officials, and other citizens; telephone and in-person consultations; letter correspondence; community economic profiles; and preparation of community assistance planning reports and economic development planning staff memorandums.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$50,000	\$50,000

**PROJECT 630-1000    PROCUREMENT OF FEDERAL AND STATE GRANT-IN-AID  
AND PROVISION OF TECHNICAL ASSISTANCE**

**Objective**

To assist local units of government in preparing applications for economic development, housing, public facility, and disaster recovery assistance grant awards from State and Federal government agencies. Also, to provide information and counsel regarding availability of grant-in-aid awards from State and Federal government agencies.

**Previous and Current Work**

The Commission staff has provided assistance in obtaining economic development grant awards from the State of Wisconsin for business loans in communities throughout the Region. The Commission staff has also provided assistance in obtaining funds from the U.S. Economic Development Administration (EDA) for the capitalization of revolving loan fund and public works programs. The Commission staff has provided assistance in obtaining funds from the State of Wisconsin for infrastructure improvements associated with business expansion projects. By the end of 2004, the Commission staff work had resulted in \$34.7 million in public funds; a projected \$122.0 million in private funds; the creation of a projected 3,823 new jobs; and the retention of a projected 1,155 existing jobs.

In addition, the Commission staff has provided assistance in obtaining grant funds for housing rehabilitation and development, public facility improvements, and disaster recovery assistance projects. By the end of 2004, the Commission staff work resulted in \$14.3 million in public funds.

**Relationship to Other Activities**

Provision of grant-in-aid assistance is in direct response to the need of local units of government, businesses, and homeowners for financial support in community growth and development. The Commission staff provides the experience and expertise that are needed for local governments to successfully utilize publicly funded programs. Considerable Commission staff effort is directed at providing this service.

**Work Description/Methodology**

During 2006, the Commission staff will prepare applications for economic development, housing, public facility, and disaster recovery assistance grant awards at the request of local units of government. In addition, Commission staff will provide assistance to build technical and institutional capacity at the local government and development corporation levels regarding available financial assistance for community development and business expansion and start-up projects.

**Schedule**

All work will be completed during 2006.

**Products**

Preparation of State and Federal grant applications. Dissemination of information to local units of government and local businesses relative to the policies, regulations, and application procedures governing State and Federal community development and business development assistance programs. Provision of technical assistance with emphasis on individualized instruction to local government officials and business persons to establish technical capacity.

**Funding Source**

SEWRPC	
<u>(tax levy)</u>	<u>Total</u>
100%	100%
\$15,000	\$15,000

**PROJECT 630-3000 ADMINISTRATION OF FEDERAL AND STATE GRANT-IN-AID AWARDS AND REVOLVING LOAN FUND PROGRAMS AND PROVISION OF TECHNICAL ASSISTANCE**

**Objective**

To provide staff support to local units of government in the administration of economic development, housing, public facility, and disaster recovery assistance grant awards and revolving loan fund programs. To provide information and counsel to local units of government and development corporations regarding policies and procedures for the administration of Federal and State grant and loan programs.

**Previous and Current Work**

The Commission has provided staff support to local units of government in the administration of State and Federal grant awards and revolving loan fund programs that are capitalized with the proceeds of those grant awards and other public-sector appropriations.

The Commission has provided staff support to local units of government in the administration of economic development grant awards in communities throughout the Region. By the end of 2004, Commission staff had administered \$20.3 million in public funds. The Commission has also provided staff support in the administration of grant awards for housing rehabilitation and development, public facility improvements, and disaster recovery assistance. By the end of 2004, the Commission staff had administered \$10.9 million in public funds. The Commission has also provided staff support in the administration of economic development revolving loan fund programs that has resulted, by the end of 2004, in loans totaling \$7.3 million; a projected \$27.5 million in private funds; the creation of a projected 405 new jobs; and the retention of a projected 203 jobs. The Commission has also provided staff support in the administration of the housing rehabilitation revolving loan fund program in Kenosha County. By the end of 2004, the Commission staff work resulted in loans totaling \$2.0 million for housing rehabilitation projects.

**Relationship to Other Activities**

Provision of assistance in the administration of grant-in-aid and revolving loan fund programs is in direct response to the need of local units of government for financial assistance in community growth and development. The Commission staff provides the experience and expertise that are needed for local governments to successfully utilize publicly funded programs. Considerable Commission staff effort is directed at providing this service.

**Work Description/Methodology**

During 2006, the Commission staff will administer economic development, housing, public facility, and disaster recovery assistance grant awards at the request of local units of government.

**Schedule**

All work will be completed during 2006.

**Products**

Meetings with local officials, business persons, and homeowners; telephone and in-person consultations; letter correspondence; loan packaging; progress reports; and financial and project files and records.

**Funding Source**

<u>SEWRPC (tax levy)</u>	<u>SEWRPC (service agreements)</u>	<u>Total</u>
24%	76%	100%
\$23,800	\$75,000	\$98,800



## Chapter XI

### PROPOSED 2006 COMMISSION ADMINISTRATIVE ACTIVITIES

#### INTRODUCTION

Commission administrative projects are those activities which are necessary to the successful completion of the Commission's work program, but for which costs cannot reasonably be allocated to individual work projects. Accordingly, the costs for these services are included in all planning programs as indirect expenses in accordance with the provisions of U.S. Office of Management and Budget Circular A-87. One administrative project is included in this chapter:

<u>Project Number</u>	<u>Project Name</u>
900-1000	Administration Activities

The remainder of this chapter consists of the presentation of the administrative project descriptions and concludes with the Commission's proposed 2006 indirect cost plan.

## **PROJECT 900-1000: ADMINISTRATION ACTIVITIES**

### **Objective**

To provide administrative support to the overall operation of the Regional Planning Commission.

### **Previous and Current Work**

Continuing activity.

### **Relationship to Other Activities**

Administrative activities are essential to the Regional Planning Commission. Such activities provide the Commission with a support basis for all work projects, such as clerical support, personnel and human resource administration, and financial guidance.

### **Work Description/Methodology**

Administration consists of the following: general operational support services and supplies; overall managerial supervision and direction; Commission budget and overall work program preparation; personnel activities; annual audit preparation as directed by a local certified public accounting firm; report and newsletter preparation and distribution; updating and implementation of an affirmative action plan; Disadvantaged Business Enterprise support; and other managerial operations and activities not detailed in other existing projects.

### **Schedule**

This is an ongoing activity.

### **Products**

The end products of this project are the Commission's annual budget; overall work program; employee salary and benefits analysis; the Commission's annual audit; affirmative action plan updating and follow-through; and Disadvantaged Business Enterprise compliance with regard to the U.S. Department of Transportation Disadvantaged Business Enterprise regulations (49 CFR, Part 23).

### **Funding Source**

All activities are included in the Commission's indirect cost plan.

COST ALLOCATION PLANS  
OF THE  
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

For Calendar Year Ending  
December 31, 2006

Prepared by the

Southeastern Wisconsin Regional Planning Commission  
W239 N1812 Rockwood Drive  
P. O. Box 1607  
Waukesha, Wisconsin 53187-1607

For Submittal to the

U.S. Department of Transportation  
Federal Highway Administration  
Region 5, Wisconsin Division

## INTRODUCTION

The Southeastern Wisconsin Regional Planning Commission proposes to establish two indirect cost allocation plans for calendar year 2006. One plan pertains to administrative costs, with such costs to be allocated to all projects in the Commission's planning programs on the basis of a percentage of salaries and attendant fringe benefits directly charged to such projects. The second plan pertains to costs associated with developing, maintaining, and operating the Commission's regional geographic information system, with such costs to be allocated to selected projects in the Commission's regional planning programs on the basis of a percentage of salaries and attendant fringe benefits directly charged to such projects. These cost allocation plans have been prepared in accordance with the principles set forth in U.S. Office of Management and Budget Circular A-87.

## INDIRECT COST ALLOCATION PLAN—ADMINISTRATIVE COSTS

The costs included in this plan are administrative in nature and cannot be readily assignable to specific work programs and projects. Accordingly, such costs have been determined to benefit all Commission planning projects. These costs are to be charged to all projects on a basis of percentage of salaries and attendant fringe benefits directly charged to all projects. The Commission computes actual fringe benefit costs and does not use a fringe benefit rate.

The following is an estimate of administrative indirect costs and an administrative indirect cost rate. Specifically included within the category below entitled "Administrative Salaries with Fringe Benefits" are the salary and expense costs of the Commission's Executive Director. The indirect cost rate is used only for budgeting and work program planning purposes. Actual cumulative year-to-date costs incurred in the administrative indirect cost categories are used as the basis for invoicing such costs to all funding agencies. Final administrative costs will be subject to the Commission's annual single audit.

<u>Cost Category</u>	<u>2006 Estimate</u>
Public Information .....	\$ 25,000
Annual Report.....	6,500
Office and Drafting Supplies .....	56,000
Library Acquisition.....	15,000
Reproduction.....	47,500
Travel and Related .....	6,750
Telephone.....	45,000
Postage.....	25,000
Insurance, Audit, Legal Fees .....	59,500
Unemployment Compensation.....	20,000
Building Maintenance.....	125,000
Building Depreciation.....	161,520
Building Interest.....	128,750
Equipment Maintenance .....	148,100
Equipment Depreciation .....	49,365
Automobile Maintenance.....	32,500
Automobile Depreciation.....	32,500
Administrative Salaries with Fringe Benefits .....	822,263
Vacation, Sick, and Holiday Salaries with Fringe Benefits .....	543,271
Other Operating Expenses .....	<u>15,000</u>
Total	\$2,364,519

COMPUTATION OF ESTIMATED  
ADMINISTRATIVE INDIRECT COST RATE

<u>Estimated Indirect Costs</u>	<u>\$2,364,519</u> = 66.66%
Estimated Direct	\$3,548,220
Project Salaries and Wages, including Fringe Benefits	

**INDIRECT COST ALLOCATION PLAN—REGIONAL  
GEOGRAPHIC INFORMATION SYSTEM COSTS**

The costs included in this plan relate entirely to the development, maintenance, and operation of the Commission’s regional geographic information system (RGIS). This system directly serves all regional planning projects in the Commission’s regional land use, transportation, floodland management, water quality, and planning research programs. As such, costs associated with the system cannot be readily assignable to specific work projects. The system involves the capture, storage, and manipulation of point, line, and area data of all types which comprise the regional planning data base. The continuing regional planning program areas included within the Commission’s *2006 Overall Work Program* to which such costs are proposed to be charged are as follows: regional land use planning, regional transportation planning, regional water quality management planning, regional floodland management planning, and regional planning research. The costs associated with the RGIS are to be charged to all of the foregoing projects on the basis of the percentage of salaries and attendant fringe benefits directly charged to all projects.

The following is an estimate of the RGIS indirect costs and an RGIS indirect cost rate. The indirect cost rate is used only for budgeting and work planning purposes. Actual cumulative year-to-date costs incurred in the RGIS cost categories are used as the basis for invoicing such costs to all funding agencies. Final RGIS costs will be subject to the findings of the Commission’s annual single audit.

<u>Cost Category</u>	<u>2006 Budget Estimate</u>
Salaries with Fringe Benefits .....	\$518,956
Equipment Maintenance.....	30,000
Forms and Supplies .....	14,000
Travel and Training.....	2,500
Other Expenses.....	<u>1,000</u>
Total	\$566,456

COMPUTATION OF ESTIMATED  
REGIONAL GEOGRAPHIC INFORMATION SYSTEM  
INDIRECT COST RATE

<u>Estimated Indirect Costs</u>	<u>\$ 566,456</u> = 12.98%
Estimated Direct Project	\$4,362,544
Salaries and Wages, Including Fringe Benefits	

**CERTIFICATION—INDIRECT COST PLANS**

As the Executive Director of the Southeastern Wisconsin Regional Planning Commission, I hereby certify that the information contained in these indirect cost plans for the calendar year ending December 31, 2006, has been prepared in accordance with the policies and procedures contained in Office of Management and Budget Circular A-87 and is, to the best of my knowledge, complete and correct. I hereby further certify that administrative procedures were utilized to: 1) prevent costs from being allocated to Federal programs as indirect costs that have already been charged to such programs as direct costs; 2) assure that consistent treatment was accorded to similar costs for all project categories regardless of source of funds; and 3) assure that indirect costs have not been allocated to federally supported programs in a manner inconsistent with the statutory restrictions governing these programs.

\_\_\_\_\_

Date

\_\_\_\_\_

Philip C. Evenson, Executive Director

## **Chapter XII**

### **PROPOSED FUNDING SUMMARY—2006 SEWRPC OVERALL WORK PROGRAM**

#### **INTRODUCTION**

For the convenience of the reader, all proposed planning program budgets and 2006 activity schedules are set forth in this chapter. More specifically, this chapter consists of the following materials:

1. A narrative pertaining to the fiscal aspects of the entire work program.
2. Tables setting forth budgets for the work tasks and projects included in each planning program (Tables 12-1 through 12-9).
3. A table summarizing funding for the continuing regional land use-transportation study (Table 12-10).
4. A table summarizing the proposed funding sources for all programs included within the 2006 overall work program (Table 12-11).

#### **FINANCIAL ACCOUNTING AND REPORTING: AN OVERVIEW**

Based upon previous discussions with State and Federal agency program managers, the overall work program budget set forth in this chapter includes detailed project budget estimates. While such detailed project budget estimates are useful for program management purposes, the Federal and State agency managers have agreed that it would not be appropriate for financial accounting purposes to hold the Commission accountable at the individual project level of detail. It was agreed that, beginning with the 1980 overall work program, individual work projects would be aggregated into work tasks and that the Commission would be held financially accountable at the work task level of detail.

In this regard the following definitions are used in this work program:

1. **Work Project.** A work project is an individual activity identified by a Commission-assigned seven-digit code. The Commission will collect fiscal data at the seven-digit level. Financial reporting at this level of detail, however, is beyond the requirements of the State and Federal agencies concerned. While the budget detail for the work project provides a valuable internal resource planning tool, it is presented for informational purposes only.
2. **Task.** A task is a summation of specific work projects and is represented as a subtotal on the work programs, tasks, and projects summary tables set forth in this chapter. The task is an agreed-upon level of detail by which the Commission will be held accountable for accounting, invoicing, and auditing.
3. **Program.** A program is a grouping of tasks which together represent one component of the Commission's total planning operations. The program level serves as a general summary level of detail for internal management purposes.

Tables 12-1 through 12-9 in this chapter indicate which of the individual projects have been placed into the various task categories and set forth appropriate subtotals with respect to the task budgets. State and Federal agency managers have agreed that the task budget subtotals attached to each of the categories would be used for budgeting, accounting, invoicing, and auditing purposes, with an appropriate system to be determined upon the relative percentage participation of each funding agency in the task category. The following guidelines are established with respect to financial and work progress reports and to changes in the scope of the work program:

1. The Commission shall provide monthly financial reports to the State and/or Federal agency program managers which set forth the following information at the project and task level of detail:
  - a. The original task budget as set forth in the Overall Work Program.
  - b. A revised task budget as may be required during the course of the calendar year.
  - c. The actual current-month expenditures.
  - d. The actual year-to-date (YTD) expenditures.
2. The Commission shall notify, in writing, the appropriate funding agencies of any additional work projects to be undertaken or previously approved work projects to be deleted. The following information shall be set forth in the Commission's written notification:
  - a. Name of project.
  - b. Project number as assigned by Commission staff.
  - c. Preliminary estimate of project cost.
  - d. Statement of impact of project on previously approved work effort, where appropriate.
  - e. Specific project cost and the impact on previously approved work effort.
3. The Commission shall provide one mid-year narrative progress report in the summer of the year which sets forth the following information at the project level of detail:
  - a. Project number and name.
  - b. Project objective.
  - c. Previous and current work.
  - d. Relationship to other activities
  - e. Description of work completed to date.

In addition, the Commission shall provide a program completion report within its Annual Report.

4. SEWRPC will initiate the process of budget revision by submitting a formal request for amendment to WisDOT. Request for budget revision is necessary if the cumulative amount of



funding transfers among tasks is expected to exceed 10 percent of the total budget of the continuing land use planning, transportation planning, and planning research programs, or if a new project is to be undertaken, or if a previously approved project is to be deleted or significantly changed in scope. Upon receipt of such a request, WisDOT and/or such other funding agencies as may be necessary will act upon the request within 20 working days.

5. SEWRPC and WisDOT will confer from time to time to determine if work programs and/or budget adjustments are in order in light of final funding amounts. If necessary, SEWRPC and WisDOT will meet to resolve such matters.

#### **RATIONALE FOR DETERMINING PROPORTIONAL COST SHARES AND BENEFITS TO BE DERIVED BY EACH FUNDING AGENCY**

In general, the allocation of costs for each project in each task within each functional planning program area has been assigned on a basis that takes into account Federal grant program eligibility requirements, federally specified and State-specified cost-sharing formulas, and the estimated total grant amounts to be made available to the Commission from each Federal and State funding agency.

The proposed 2006 land use and housing element of the continuing regional land use transportation study of the regional land use planning program includes a variety of tasks funded primarily by the Commission, the local communities concerned through planning agreements, and by FTA, FHWA, and WisDOT. Other land use tasks, including park and open space planning, which are part of the 2006 regional land use planning program, would be funded by SEWRPC and local governments.

With respect to the proposed 2006 regional transportation planning program, the projects are proposed to be funded by FTA, FHWA, WisDOT, and SEWRPC on a shared basis, reflecting that these highway and public transit planning efforts should be shared in accordance with the formulas specified in the Federal grant programs and the existing WisDOT-SEWRPC "3C" agreement. Other transportation tasks include, the telecommunications study, which is part of the transportation planning program, but would be funded by SEWRPC and local governments; and the Environmental Assessment of the Kenosha-Racine-Milwaukee Commuter Rail which is funded by the Federal Transit Administration, the Wisconsin Department of Transportation and local monies.

With respect to the proposed 2006 regional water quality planning program, the projects are proposed to be funded jointly by the Regional Planning Commission, the Milwaukee Metropolitan Sewerage District and local units of government through planning agreements, and the Wisconsin Department of Natural Resources.

The proposed 2006 water supply planning program is proposed to be funded jointly by SEWRPC and the seven counties.

The proposed 2006 floodland management planning program includes a variety of tasks funded primarily by the Commission and by the local communities concerned through contract agreements. No Federal funding is involved except for the Federal 50 percent cost share by the U.S. Geological Survey for the operation of the continuing cooperative streamflow-gaging program.

Joint funding between FHWA, FTA, WisDOT, and SEWRPC is proposed for all projects in the 2005 planning research program. This reflects a finding that the data developed under this program are essential to all Commission transportation planning efforts.

The various projects contained within the proposed 2006 community assistance planning program are proposed to be funded by SEWRPC and local units of government in the Region through planning agreements.

The various projects contained within the proposed 2006 economic development planning program are proposed to be jointly funded by SEWRPC and local units of government in the Region through planning agreements

Table 12 - 1

2006 REGIONAL LAND USE PLANNING  
PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)				Total
	USDOT	WisDOT	SEWRPC	Service Agreements	
<b>TASK 1--DATABASE DEVELOPMENT</b>					
100-1000 Land Use Inventory. ....	\$16,000	\$2,000	\$2,000	\$-	\$20,000
100-2000 Land Platting Inventory and Special Environmental Assessments. ....	-	-	290,200	-	290,200
Subtotal	\$16,000	\$2,000	\$292,200	\$-	\$310,200
<b>TASK 2--PLAN EXTENSION AND REFINEMENT</b>					
110-1000 Plan Implementation and Community Assistance. ....	\$760,000	\$95,000	\$95,000	\$-	\$950,000
110-2000 Regional Park and Open Space Plan Implementation. ....	-	-	68,000	7,500	75,500
Subtotal	\$760,000	\$95,000	\$163,000	\$7,500	\$1,025,500
<b>TASK 3--LONG RANGE PLANNING</b>					
120-1000 Year 2035 Regional Land Use Plan. ....	\$200,000	\$25,000	\$25,000	\$-	\$250,000
Subtotal	\$200,000	\$25,000	\$25,000	\$-	\$250,000
<b>Total</b>	<b>\$976,000</b>	<b>\$122,000</b>	<b>\$480,200</b>	<b>\$7,500</b>	<b>\$1,585,700</b>

Table 12 - 2

2006 REGIONAL TRANSPORTATION PLANNING  
PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)							Total
	FTA	USDOT	WisDOT	Milwaukee County	SEWRPC	Wisconsin Center District Board	Service Agreements	
<b>TASK 1--DATA BASE AND ASSISTANCE</b>								
200-1000 Transportation Planning Support and Assistance: Data Collection and Development, Model Refinement, and Technical Assistance.....	\$-	\$280,000	\$35,000	\$-	\$35,000	\$-	\$-	\$350,000
Subtotal	\$-	\$280,000	\$35,000	\$-	\$35,000	\$-	\$-	\$350,000
<b>TASK 2--TRANSPORTATION SYSTEMS MANAGEMENT AND PROGRAMMING</b>								
210-1000 Short-Range Transportation Improvement Programming and Transit Planning.....	\$-	\$400,000	\$38,750	\$-	\$61,250	\$-	\$-	\$500,000
Subtotal	\$-	\$400,000	\$38,750	\$-	\$61,250	\$-	\$-	\$500,000
<b>TASK 3--LONG-RANGE PLANNING AND PLAN IMPLEMENTATION</b>								
220-1000 Long-Range Transportation Planning and Plan Implementation.....	\$-	\$638,000	\$9,750	\$-	\$149,750	\$-	\$-	\$797,500
Subtotal	\$-	\$638,000	\$9,750	\$-	\$149,750	\$-	\$-	\$797,500

Table 12-2 (continued)

Work Tasks and Projects	Funding Source (in dollars)							Total
	FTA	USDOT	WisDOT	Milwaukee County	SEWRPC	Wisconsin Center District Board	Service Agreements	
<b>TASK 4--TELECOMMUNICATIONS PLANNING</b>								
250-1000 Telecommunications Planning Program Organization and Study Design.....	\$-	\$-	\$-	\$-	\$25,000	\$-	\$-	\$25,000
250-1001 Telecommunications Planning Program Wireless Antenna Site and Related Infrastructure Plan.....	\$-	\$-	\$-	\$-	\$60,000	\$-	\$-	\$60,000
250-1002 Telecommunications Planning Program Public Enterprise Telecommunications Network.....	\$-	\$-	\$-	\$-	\$63,000	\$-	\$-	\$63,000
250-1003 Telecommunications Planning Program Composite Regional Plan.....	\$-	\$-	\$-	\$-	\$210,130	\$-	\$-	\$210,130
Subtotal	\$-	\$-	\$-	\$-	\$358,130	\$-	\$-	\$358,130
<b>TASK 5--MILWAUKEE COUNTY PROJECTS</b>								
270-1000 Milwaukee County Transit System Short-Range Planning and Programming.....	\$240,000	\$-	\$-	\$60,000	\$-	\$-	\$-	\$300,000
Subtotal	\$240,000	\$-	\$-	\$60,000	\$-	\$-	\$-	\$300,000
<b>TASK 6--WISCONSIN CENTER DISTRICT BOARD</b>								
280-1000 Milwaukee Downtown Transit Connector Study (Second Phase).....	\$3,200,000	\$-	\$-	\$-	\$-	\$564,705 <sup>a</sup>	\$-	\$3,764,705
Subtotal	\$3,200,000	\$-	\$-	\$-	\$-	\$564,705	\$-	\$3,764,705
<b>TASK 7--KENOSHA, MILWAUKEE, AND RACINE CITIES AND COUNTIES AND WISDOT PROJECT</b>								
290-1000 Continued Planning/Environmental Assessment of Rail in the Kenosha-Racine-Milwaukee Travel Corridor.....	\$3,200,000	\$-	\$400,000 <sup>b</sup>	\$-	\$-	\$-	\$400,000 <sup>c</sup>	\$4,000,000
Total	\$6,640,000	\$1,318,000	\$483,500	\$60,000	\$604,130	\$564,705	\$400,000	\$9,712,205

a To be provided on an in-kind basis by Milwaukee County and City staff support and local funds

b To be provided by the Commuter Rail Development Program

c To be provided by the Cities and Counties of Kenosha, Milwaukee, and Racine (In-kind staff match)

Table 12 - 3

2006 WATER QUALITY PLANNING  
PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)			Total
	WisDNR	SEWRPC	Service Agreements	
<b>TASK 1—ONGOING PLAN IMPLEMENTATION AND REFINEMENT PROJECTS</b>				
300-1000 Water Quality Management Plan Coordination and Extension of Implementation Activities. . . . .	\$50,000	\$23,500	\$81,500	\$155,000
300-2000 Sanitary Sewer Extension Reviews and Assistance . . . . .	15,000	15,000	-	30,000
300-3000 Sanitary Sewer Service Area Plan Refinements . . . . .	50,000	65,000	-	115,000
Subtotal	\$115,000	\$103,500	\$81,500	\$300,000
<b>TASK 2—PLAN EXTENSION AND UPDATING PROJECTS</b>				
300-4000 Regional Water Quality Management Plan Update: Major Subregional Amendments. . . . .	\$-	\$5,000	\$-	\$5,000
300-4001 Regional Water Quality Management Plan Update: Plan Preparation. . . . .	50,000	100,075	258,000	408,075
300-4002 Regional Water Quality Management Plan Update: Water Quality Modeling. . . . .	15,000	60,000	75,000	150,000
300-4003 Regional Water Quality Management Water Quality Data Collection. . . . .	-	5,000	-	5,000
300-4004 Regional Water Quality Management Plan Update: Groundwater Modeling . . . . .	5,000	5,000	-	10,000
300-4005 Regional Water Quality Management Plan Update: Public Involvement Activities. . . . .	5,000	5,000	20,000	30,000
300-5000 Regional Water Quality Management Plan Update: Groundwater Management Studies. . . . .	-	5,000	-	5,000
Subtotal	\$75,000	\$185,075	\$353,000	\$613,075
<b>Total</b>	<b>\$190,000</b>	<b>\$288,575</b>	<b>\$434,500</b>	<b>\$913,075</b>

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Table 12 - 4

2006 REGIONAL WATER SUPPLY PLANNING  
 PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects			Total
	SEWRPC	Service Agreements	
TASK 1--REGIONAL WATER SUPPLY			
310-1000 Regional Water Supply Plan. ....	\$142,805	\$580,220	\$723,025
Subtotal	\$142,805	\$580,220	\$723,025
Total	\$142,805	\$580,220	\$723,025

Table 12 - 5

**2006 FLOODLAND MANAGEMENT PLANNING  
PROGRAM WORK TASKS AND PROJECTS**

Work Tasks and Projects	Funding Source (In dollars)			Total
	USGS	SEWRPC	Service Agreements	
<b>TASK 1--GENERAL FLOODLAND MANAGEMENT PROJECTS</b>				
330-1000 Continuing Floodland and Stormwater Management Planning. . . . .	\$-	\$80,000	\$60,000	\$140,000
330-3000 Continuing Watershed Planning-- Flood-Flow and Flood Stage Revisions. . . . .	-	181,735	-	181,735
Subtotal	\$-	\$261,735	\$60,000	\$321,735
<b>TASK 2--SPECIAL FLOODLAND MANAGEMENT STUDIES</b>				
330-2000 Flood Hazard Area Mapping within Milwaukee County. . . . .	\$-	\$128,685	\$-	\$128,685
330-2100 Flood Hazard Area Mapping for Watersheds Tributary to Milwaukee County. . . . .	-	68,085	68,085	136,170
350-1000 Cooperative Streamflow Gaging Program . . . . .	81,900	-	81,900	163,800
Subtotal	\$81,900	\$196,770	\$149,985	\$428,655
<b>Total</b>	<b>\$81,900</b>	<b>\$458,505</b>	<b>\$209,985</b>	<b>\$750,390</b>



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Table 12 - 6

2006 COASTAL MANAGEMENT PLANNING  
 PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)			Total
	WisDOA	SEWRPC	Service Agreements	
<b>TASK 1--COASTAL MANAGEMENT COORDINATION PROJECT</b>				
390-1000 Coastal Management Program Coordination. ....	\$20,000	\$20,000	\$-	\$40,000
390-2000 Coastal Erosion Management Program.	9,480	2,520	-	12,000
Subtotal	\$29,480	\$22,520	\$-	\$52,000
Total	\$29,480	\$22,520	\$-	\$52,000

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Table 12 - 7

2006 PLANNING RESEARCH  
PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)				Total
	USDOT	WisDOT	SEWRPC	Service Agreements	
<b>TASK 1--BASIC RESEARCH PROJECTS</b>					
400-1000 Demographic and Economic Data Research, Base File Creation and Maintenance, and Data Provision . . . . .	\$64,000	\$8,000	\$8,000	\$-	\$80,000
410-1000 Transportation-Related Environmental Inventories, Assessments, and Evaluations. . . . .	32,000	4,000	4,000	-	40,000
Subtotal	\$96,000	\$12,000	\$12,000	\$-	\$120,000
<b>TASK 2--MAPPING AND RELATED PROJECTS</b>					
420-1000 Regional Base Mapping and Survey Control. . . . .	\$160,000	\$20,000	\$20,000	\$-	\$200,000
420-2000 Regional Orthophotography Program. . . . .	-	-	-	995,600	995,600
Subtotal	\$160,000	\$20,000	\$20,000	\$995,600	\$1,195,600
<b>Total</b>	<b>\$256,000</b>	<b>\$32,000</b>	<b>\$32,000</b>	<b>\$995,600</b>	<b>\$1,315,600</b>

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Table 12 - 8

2006 COMMUNITY ASSISTANCE PLANNING  
 PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)		Total
	SEWRPC	Service Agreements	
<b>TASK 1--ADVISORY AND EDUCATIONAL PROJECT</b>			
500-1000 Guidance on Local Planning Matters and Educational Services.....	\$42,500	\$115,200	\$157,700
Subtotal	\$42,500	\$115,200	\$157,700
<b>TASK 2--REVIEW PROJECTS</b>			
510-1000 State and Federal Grant Review Services.....	\$5,000	\$-	\$5,000
510-2000 Environmental and Agricultural Impact Statement Review Services.....	5,000	-	5,000
510-4000 Subdivision Plat Review Services.....	5,000	-	5,000
Subtotal	\$15,000	\$-	\$15,000
<b>TASK 3--MULTI-JURISDICTIONAL COMPREHENSIVE PLANS</b>			
520-1000 Preparation of Multi-Jurisdictional Comprehensive Plans.....	\$45,000	\$186,000	\$231,000
Subtotal	\$45,000	\$186,000	\$231,000

Table 12-8 (continued)

Work Tasks and Projects	Funding Source (in dollars)		Total
	SEWRPC	Service Agreements	
<b>TASK 3--LOCAL PLAN IMPLEMENTATION DEVICES</b>			
530-1000 Zoning Ordinances and Maps, Land Division Ordinances, Official Map Ordinances, and Other Local Plan Implementation Devices.....	\$5,000	\$-	\$5,000
Subtotal	\$5,000	\$-	\$5,000
<b>TASK 4--SPECIAL COMMUNITY ASSISTANCE PROJECTS</b>			
770-9000 County Land Information System Assistance.....	\$100,255	\$107,900	\$208,155
780-1000 County Surveyor Services.....	-	347,850	347,850
Subtotal	\$100,255	\$455,750	\$556,005
Total	\$207,755	\$756,950	\$964,705

Table 12 - 9

2006 ECONOMIC DEVELOPMENT PLANNING  
 PROGRAM WORK TASKS AND PROJECTS

Work Tasks and Projects	Funding Source (in dollars)		Total
	SEWRPC	Service Agreements	
<b>TASK 1--LOCAL ECONOMIC DEVELOPMENT PROGRAM PLANNING</b>			
600-1000 Economic Development Program Planning Technical Assistance .....	\$40,000	\$-	\$40,000
Subtotal	\$40,000	\$-	\$40,000
<b>TASK 2--ECONOMIC DEVELOPMENT DATA AND INFORMATION PROVISION</b>			
610-1000 Extension of Economic Development Related Data and Business Finance Information .....	\$15,000	\$-	\$15,000
Subtotal	\$15,000	\$-	\$15,000
<b>TASK 3--ECONOMIC DEVELOPMENT PROJECT PLANNING SERVICES</b>			
620-1000 Preparation of Economic Development Project Planning Studies .....	\$50,000	\$-	\$50,000
Subtotal	\$50,000	\$-	\$50,000

Table 12 - 9 (continued)

Work Tasks and Projects	Funding Source (in dollars)		Total
	SEWRPC	Service Agreements	
<b>TASK 4--FEDERAL AND STATE GRANT-IN-AID ASSISTANCE</b>			
630-1000 Procurement of Grant-in-Aid Applications and Provision of Technical Assistance . . . . .	\$15,000	\$-	\$15,000
630-3000 Administration of Federal and State Grant-in-Aid Awards and Revolving Loan Fund Programs and Provision of Technical Assistance . . . . .	23,800	75,000	98,800
Subtotal	\$38,800	\$75,000	\$113,800
<b>Total</b>	<b>\$143,800</b>	<b>\$75,000</b>	<b>\$218,800</b>

Table 12-10

SUMMARY OF PROPOSED FUNDING FOR ALL PROJECTS INCLUDED IN THE SEWRPC 2006 CONTINUING REGIONAL LAND USE TRANSPORTATION STUDY

Program Area	Project	Funding Source (in dollars)			Total
		USDOT	WisDOT	SEWRPC	
LAND USE	100-1000 Land Use Inventory. . . . .	\$16,000	\$2,000	\$2,000	\$20,000
	110-1000 Regional Land Use Plan Implementation. . . . .	760,000	95,000	95,000	950,000
	120-1000 Year 2035 Regional Land Use Plan. . . . .	200,000	25,000	25,000	250,000
	Subtotal	\$976,000	\$122,000	\$122,000	\$1,220,000
TRANSPORTATION	200-1000 Transportation Planning Support and Assistance: Data Collection and Development, Model Refinement, and Technical Assistance. . . . .	\$280,000	\$35,000	\$35,000	\$350,000
	210-1000 Short Range Transportation Improvement Programming and Transit Planning. . . . .	400,000	38,750	61,250	500,000
	220-1000 Long Range Transportation Planning and Plan Implementation. . . . .	638,000	9,750	149,750	797,500
	Subtotal	\$1,318,000	\$83,500	\$246,000	\$1,647,500
PLANNING RESEARCH	400-1000 Demographic and Economic Data Research Data Research, Base File Creation and Maintenance, and Data Provision. . . . .	\$64,000	\$8,000	\$8,000	\$80,000
	410-1000 Transportation-Related Environmental Inventories, Assessments, and Evaluations. . . . .	32,000	4,000	4,000	40,000
	420-1000 Regional Base Mapping and Surveying. . . . .	160,000	20,000	20,000	200,000
	Subtotal	\$256,000	\$32,000	\$32,000	\$320,000
TOTAL PROGRAM AREA	Total	\$2,550,000	\$237,500	\$400,000	\$3,187,500

Table 12-11

SUMMARY OF FUNDING SOURCES FOR ALL WORK PROGRAMS, TASKS,  
AND PROJECTS INCLUDED IN THE SEWRPC 2006 OVERALL WORK PROGRAM  
(in dollars)

Planning Program	Federal					State			Other			Service Agreements	Total
	USDOT	FHWA STP-M	FTA		USGS	WisDOT	WisDNR	WisDOA	Milwaukee County	Wisconsin Center District Board	SEWRPC		
			Section 5307	Earmarks									
SEWRPC													
Land Use Planning	\$919,148	\$-	\$56,852	\$-	\$-	\$122,000	\$-	\$-	\$-	\$-	\$480,200	\$7,500	\$1,585,700
Transportation Planning													
Normal "3C" Projects	739,764	500,000	78,236	-	-	83,500	-	-	-	-	246,000	-	1,647,500
Telecommunications Planning	-	-	-	-	-	-	-	-	-	-	358,130	-	358,130
Water Quality Planning	-	-	-	-	-	-	190,000	-	-	-	288,575	434,500	913,075
Water Supply Planning	-	-	-	-	-	-	-	-	-	-	142,805	580,220	723,025
Floodland Management Planning	-	-	-	-	81,900	-	-	-	-	-	458,505	209,985	750,390
Coastal Management Planning	-	-	-	-	-	-	-	29,480	-	-	22,520	-	52,000
Planning Research	241,088	-	14,912	-	-	32,000	-	-	-	-	32,000	-	320,000
Regional Orthophotography Program	-	-	-	-	-	-	-	-	-	-	-	995,600	995,600
Community Assistance	-	-	-	-	-	-	-	-	-	-	207,755	756,950	964,705
Economic Development Planning	-	-	-	-	-	-	-	-	-	-	143,800	75,000	218,800
Subtotal	\$1,900,000	\$500,000	\$150,000	\$-	\$81,900	\$237,500	\$190,000	\$29,480	\$-	\$-	\$2,380,290	\$3,059,755	\$8,528,925
Milwaukee County													
Transit System Short-Range Planning and Programming	\$-	\$-	\$240,000	\$-	\$-	\$-	\$-	\$-	\$60,000	\$-	\$-	\$-	\$300,000
Subtotal	\$-	\$-	\$240,000	\$-	\$-	\$-	\$-	\$-	\$60,000	\$-	\$-	\$-	\$300,000
Wisconsin Center District Board													
Milwaukee Downtown Transit Connector Study	\$-	\$-	\$-	\$3,200,000	\$-	\$-	\$-	\$-	\$-	\$564,705	\$-	\$-	\$3,764,705
Subtotal	\$-	\$-	\$-	\$3,200,000	\$-	\$-	\$-	\$-	\$-	\$564,705	\$-	\$-	\$3,764,705
Kenosha, Milwaukee, and Racine Cities and Counties and WisDOT Projects													
Continued Planning Environmental Assessment of Kenosha- Racine- Milwaukee Commuter Rail	\$-	\$-	\$-	\$3,200,000	\$-	\$400,000	\$-	\$-	\$-	\$400,000	\$-	\$-	\$4,000,000
Subtotal	\$-	\$-	\$-	\$3,200,000	\$-	\$400,000	\$-	\$-	\$-	\$400,000	\$-	\$-	\$4,000,000
Total	\$1,900,000	\$500,000	\$390,000	\$6,400,000	\$81,900	\$637,500	\$190,000	\$29,480	\$60,000	\$964,705	\$2,380,290	\$3,059,755	\$16,593,630

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## **APPENDIX**

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## Appendix A

### TITLE VI YEAR 2005 ACCOMPLISHMENTS, YEAR 2006 GOALS, AND CERTIFICATION

#### Year 2005 Accomplishments

- Appointment of minorities and women to Commission.
- Continued implementation of minority intern program. Four interns were employed during 2005.
- Expect to meet our DBE goal of 10 percent.
- Outreach and involvement efforts have continued and been expanded for minority communities—African-American, Asian and Pacific Islander, American Indian and Alaska Native, and Hispanic—and particularly include Milwaukee, Racine, Kenosha, and Waukesha areas. In particular, outreach and involvement has been achieved on the regional land use and transportation plan reevaluation.
- The Commission's public involvement process continues to be implemented, including recommendations for outreach to address Title VI and environmental justice, and limited English proficiency (LEP) language assistance plan.

#### Year 2006 Goals

- Promote increases in the appointment of minorities and women to Commission Advisory Committees and the Commission.
- Continue and expand implementation of minority intern program.
- Achieve and surpass our DBE goal of 10 percent.
- Continue and expand our outreach and involvement efforts for minority communities, and address all minority populations – African-American, Asian and Pacific Islander, American Indian and Alaska Native, and Hispanic – and particularly include Milwaukee, Racine, Kenosha, and Waukesha areas. In particular, outreach and involvement will be achieved on the regional land use and transportation plan reevaluation and short-range transit plans for Cities of Kenosha and Racine and Milwaukee County.
- Implement Commission public involvement process, including recommendations for outreach to address Title VI and environmental justice, and limited English proficiency (LEP) language assistance plan.