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## **LONG RANGE PLANNING: GO TO 2040 DEVELOPMENT, VISUALIZATION, AND PUBLIC PARTICIPATION**

Program Oversight: Management Staff, Bob Dean

This program implements our mission to integrate transportation and land-use planning. Projects under this program will develop the methodology, data and information resources, modeling and planning tools and engagement process to create a Regional Comprehensive Plan.

### **Regional Snapshot Reports**

Project Manager: Bob Dean

Team (will lead or contribute to products listed below): Ahmed, Aleman, Alford, Banks, Deuben, Elam, Hallas, Heery, Maloney, O'Laughlin, Patronskey, Pietrowiak, Reise. Outreach and Communications on Snapshot reports: Hardy, Lawson, Torres, Weiskind.

Description: These reports will study planning issues which will need to be addressed in the Regional Comprehensive Plan. These provide baseline information concerning these planning issues and their relationships to CMAF's areas of focus. The preparation of each snapshot will be managed individually, though consistent results will be achieved. Snapshots currently being prepared are listed below. In addition to these topics, the Chicago Community Trust will be leading and funding snapshots on topics including education, health, food policy, arts and culture, safety, and human relations, and CMAF staff will be involved in supporting the preparation of these reports.

Products and Key Dates: Approximately quarterly snapshot reports on specific planning issues.

Project managers are listed in parenthesis.

- business location decisions (Maloney)
- cluster analysis (Rademacher)
- Latino population (Hallas)
- air quality (Patronskey)
- residential locations (Byrne)
- land use inventory (Clark)
- freight (O'Laughlin)
- green infrastructure (Elam)
- support for reports led by CCT (various)

### **Strategy Analysis: New Report Preparation, Online Maintenance, and Continued Improvement**

Project Manager: Bob Dean

Team: Ahmed, Aleman, Alford, Banks, Deuben, Elam, Heery, Maloney, Murtha, O'Laughlin, Ostrander, Patronskey, Pietrowiak, Reise, Talbot, Williams-Clark, other relevant staff.

Description: The strategy analysis will be a central piece of the scenario evaluation process. It will identify potential implementation strategies and analyze what would occur if these strategies were implemented, using sample indicators to guide the research process. Approximately 50 strategies are currently expected to be analyzed through this process. Each white paper will be led by a different staff person, though fairly consistent results will be achieved. Three major sub-tasks within this overall task are identified:

- maintenance of online reports (responding to reader comments)
- continued improvement (updating reports based on new information, preparing new or improved maps or charts, tracking relevant news stories or other reports related to topics)
- preparation of new reports on subjects not covered in FY 08

Products and Key Dates: Series of white papers on the strategies identified for potential inclusion in the *GO TO 2040* plan, to be produced and released in online format by fall 2008.

### **Indicator Design: Collection of Baseline Data, Performance Measures, and Website Development**

Project Manager: Andrew Williams-Clark

Team: Elam, Ferraro, Sanders, Wies, G. Wu

Description: Indicators will be used to assess the effectiveness of potential strategy recommendations and to track progress toward plan accomplishment in future years. This activity is being undertaken in partnership with the Chicago Community Trust. Indicator design, which is largely being conducted in FY 08, will be completed in fall 2008 (please see the "indicators workshops" task below for details on the stakeholder involvement process). Collection of data to establish a baseline, which will be used to compare future scenarios against, will be a major part of this activity. When complete, the identified regional indicators will be communicated through an interactive website, and the design of the functionality of this website will also occur in FY 09.

Products and Key Dates: The major product will be the identification of two sets of indicators, one for tracking purposes and one smaller subset of these for forecasting/modeling purposes. These will be endorsed in fall 2008.

### **Scenario Design and Evaluation: Forecasting and Projections**

Project Manager: Kermit Wies

Team: A. Clark, B. Dean, J. Pfingston

Description: Forecasting and Projections involve the quantitative and systematic analysis of scenarios being considered in developing the long-range plan. All "plan scenario" assessments are the product of comparison to a "reference scenario". The reference scenario is initially represented by datasets prepared with the best available forecast information. Each type of assessment is bracketed by pre-defined quantitative indicators and evaluation criteria that correspond to the strategies that comprise the scenarios.

Products and Key Dates: Datasets of socioeconomic and land use distributions suitable for assessing the effects of regional planning strategies at a small geographic scale. Reference

scenario is to be complete by September 2008 with scenario datasets being developed throughout FY2009 in response to policy refinements associated with the plan development process.

### **Scenario Design and Evaluation: Regional Assessment**

Project Manager: Kermit Wies

Team: Alford, Banks, Deuben, Elam, Heery, Heither, Maloney, O' Laughlin, Pietrowiak, Rademacher, Reise, Williams-Clark

Description: The Regional Assessment is the quantitative and systematic analysis of scenarios being considered in developing the long-range plan. All "plan scenario" assessments are the product of comparison to a "reference scenario". The reference scenario is initially represented by datasets prepared with the best available forecast information. Each type of assessment is bracketed by pre-defined quantitative indicators and evaluation criteria that correspond to the strategies that comprise the scenarios. (It may also be desirable to establish a "budget" for use in evaluating scenario costs and benefits. This would necessitate a unit cost evaluation for each strategy and a cross-indicator weighting strategy. ) The regional assessment will have components focused on demographics, economy, environment, housing, human services topics, land use, and transportation. For each of these components, work tasks will include generating "reference" measures for each indicator and developing and applying procedures for calculating changes these indicators based on the content of alternative scenarios.

Products and Key Dates: The major product will be an assessment of the effect of each alternative scenario on the identified indicators. This effort will be complete by spring 2009.

### **Scenario Design and Evaluation: Web Interface Design**

Project Manager: L. Banks

Team: Alford, Ferraro, Garritano, Ostrander, Sanders, Talbot

Description: The *GO TO 2040* website will be a key communication tool during the scenario design and evaluation process. There will be continual updates to the site, which will be used to post documents, communicate results of public outreach processes, and provide forums for discussion of regional issues, among other capabilities. A blog that features contributions by CMAF staff and outside writers will be among the key communication tools.

Products and Key Dates: Ongoing.

### **Scenario Design and Evaluation: Online Tools and Interactives**

Project Manager: Erin Aleman

Team: Banks, Williams-Clark

Description: An interactive online tool to engage the public in scenario evaluation will be developed. This tool is expected to educate users concerning the links between policies and outcomes, as well as gathering input concerning preferences.

Products and Key Dates: The online interactive tool will be ready for use during the major public comment period for scenario evaluation in summer 2009.

### **Major Capital Projects**

Project Manager: Ross Patronsky

Team: Banks

Description: Per federal requirements, a fiscally constrained list of major transportation capital projects will be included in the *GO TO 2040* plan. These will be evaluated for inclusion in the plan based on criteria to be developed during fiscal year 2009.

Products and Key Dates: A methodology to evaluate and select major capital projects for inclusion in the plan will be prepared by the end of fiscal year 2009.

## **Financial Plan**

Project Manager: Matt Maloney

Team: Schaad, Alford, Wies

Products and Key Dates: The region's new comprehensive plan will include:

- A planning assessment of the region's existing public finance (October 2008)
- A projection of future financial resources (February 2009)
- A strategy for financing the plan's recommendations (Ongoing to coincide with development of the "preferred scenario").

## **Indicator Workshops**

Project Manager: Ty Warner

Team: Williams-Clark, C&TA staff, External Relations staff, Planning and Programming staff.

Description: Series of workshops with major stakeholders to present the recommended indicators to be used in the scenario evaluation process. Their purpose is to engage stakeholders in identifying the most useful indicators to be used in this process and educate them about the analysis that CMAP has conducted in this area. The workshops should be targeted toward local governments and other major planning partners.

Products and Key Dates: These meetings should take place in early fall.

## **Strategy Analysis Workshops**

Project Manager: Ty Warner

Team: Heery, C&TA staff, External Relations staff, Planning and Programming staff.

Description: Series of regional workshops on the major implementation strategies that will be featured in scenario evaluation. The purpose of the workshops is to review the findings of the strategy reports and the comments that have been received, and review CMAP's expectations of the effects of each strategy on the identified indicators. The workshops are geared toward experts in the field and major stakeholders, and provide an opportunity to review the assumptions that will go into the measurement and modeling for the scenario evaluation process.

Products and Key Dates: Series of stakeholder meetings, each on a major strategy that will be a variable in the scenario evaluation process (fall 2008 and winter 2008-09).

## **Scenario Design and Evaluation: Public Involvement and Materials Design**

Project Manager: Hubert Morgan

Team: Banks, Williams-Clark, Lawson, Torres, Weiskind

Description: This project will support the design and evaluation of the comp. plan by developing the method/process and the necessary tools and materials to inform and engage the public during indicator and scenario development stages of the plan.

Products and Key Dates: Engagement method/process, facilitator guide and support materials

- Develop a method to engage audiences related to indicators (July 2008)
- Develop a method to engage audiences related to scenarios (July - Oct 2008)
- Develop tool and materials for indicator engagement (July 2008)
- Develop tool and materials for scenario engagement (Oct.- January 2009)
- Test methods, tool and materials (January – February 2009)

## **Scenario Design and Evaluation: Major Public Comment and Management**

Project Manager: Hubert Morgan

Team: Allen, Bright, Hardy, Lawson, Pineyro, Torres, Weiskind

Description: To actively manage the major public comment processes to include event logistics, staffing, reporting of comment results on website and through written reports when necessary. To insure information gathered is in a format that can interrupted and summarized for reporting engagement results.

Products and Key Dates:

- Develop a method to summarize and report scenarios engagement results (August 2009 – Ongoing)
- Provide timely and accurate reports of the engagement activities. (Ongoing)
- Scenario Selection Pub/Comment (March-August 2009)

## **Partner Management**

Project Manager: Gordon Smith

Team: Aleman, Allen, Bright, Hardy, Lawson, Morgan, Pineyro, Torres

Description: This program supports the comprehensive planning process by coordinating and managing staff activities in responses to community and technical assistance and outreach request from partners and the general public for service not limited to the following areas:

- Outreach efforts
- Public Information activities
- Requests to Participate
- Technical Assistance requests as the comprehensive plan.

As a management tool this process will assist and allow management to track the progress of activities and service request and to build CMAP's central database for future invites, announcements and mailings. This should probably note the different types of activities that constitute involvement. For examples, design-focused partners (like CNU or ULI) could help by participating a local design workshop, nonprofit groups could host meetings to discuss scenarios, etc. The purpose of the partner management task should be to find an appropriate and useful activity for any group who expresses interest in our work.

Products and Key Dates:

- Database to track partner interaction with the GO TO 2040 campaign (Ongoing)

- The data base will inform the CMAP central contact list (Ongoing)

## Resource Guide for Community Conversations

Project Manager: Hubert Morgan

Team: Allen, Bright, Hardy, Lawson, Morgan, Pineyro, Torres

Description: This starter kit will provide information to the general public through ongoing "conversations" to engage (feedback) participants in the Go To 2040 campaign (and CMAP's ongoing planning). The "Conversation" has three formats: Staff directed conversations, Work place conversations, and self-directed conversations. These provide the opportunity to share 2040 content, and have the feedback to enhance the participatory work CMAP strives for.

Products and Key Dates: Resource Guide for Community Conversations, CMAP DVD, Facilitator Guide, "Do-it-Yourself" kit, and other printed materials including a map of the region.

- Resource Guide for Community Conversations will be an ongoing CMAP tool, focus will reflect the 2040 process for the next few years
- Resource Guide for Community Conversations will be ready mid-summer (August)
- Schedule: Four (4) Community Conversations per month.

## Future Leaders in Planning (FLIP)

Project Manager: Hubert Morgan

Team: Aleman, Torres, Williams-Clark

Description: This is a new leadership development program for high school students (sophomores and juniors). Selected participants will collaborate with and learn from elected officials and planners who are developing the new *GO TO 2040* comprehensive regional plan. The program runs from September 2008 to March 2009 and provides ongoing leadership development, teaching them about past, present, and future regional planning issues from elected officials, community leaders and CMAP staff. Through multimedia tools, interactive activities and field trips, students will go "behind the scenes" to explore our region's communities. Topics include: transportation, air quality, human services, land use, water supply and air quality. In addition to learning how local governments interact to address these important regional needs, students will have opportunities to engage with other students to think about the ways planning could be improved and/or changed. Students will present their resolutions at the end of the sessions to the CMAP Board.

Products and Key Dates: Recruitment guide with application, Program curriculum, CMAP Guide, and other printed materials including a map of the region.

Task timeframe:

- Student selection & notification (early June)
- Intern to develop curriculum (summer)
- Partner commitments (summer)

The **FLIP** program begins in early September 2008 and continues through early March 2009.

The dates are as follows:

1. September 13, 2008 Orientation for participants and their families



2. October 4-5, 2008 Retreat (for students only; mandatory)
3. October 25, 2008 Session 1
4. November 15, 2008 Session 2
5. December 6, 2008 Session 3
6. January 10, 2009 Session 4
7. February 7, 2009 Session 5
8. March 2009 (Saturday) Final Presentation

## **Go To 2040 Contracts:**

### **Scenario Planning (USDOT/Volpe Center)**

The Volpe Center will undertake several strategy research projects, advise CMAP on scenario construction, and assist in the development and application of indicators.

### **Public Relations (Amdur Spitz)**

This contract will be used to hire a communications firm, firms, or other organizations to assist with planning and implementing public involvement activities for the GO TO 2040 plan.

### **Public Involvement for scenario evaluation**

This contract is for the development of interactive public engagement software tools to be used in scenario evaluation. The tools will be able to be used at facilitated meetings or in an un-facilitated online setting. The purpose of the software tools is to educate the public about the relationships between potential policies and resulting outcomes, and allow the public to explore these relationships and express preferences and priorities.

### **Assistance on Snapshot reports**

This funding will be used for one or more contracts to provide assistance with Regional Snapshot report research and preparation. Some of this funding is expected to be used for a report on energy; other topics will be identified based on research priorities.

### **Refinement/continuation of strategy research**

This contract will be used to continue research and preparation of strategy white paper reports. The topics covered will be chosen based on research priorities, complexity of topics, and staff expertise.

### **Indicators measurement and projection**

This is a second phase of the current indicators contract, which involves the identification of appropriate datasets to measure potential indicators. This second phase will involve the collection of relevant data, and will include downloading and processing of online data, purchase of some data, and other activities.

### **Assistance with scenario construction and description**

This contract will be used to receive outside assistance in the construction and description of the

alternative scenarios that will be evaluated in the GO TO 2040 plan process. The consultant is expected to have an advisory role in the construction and description of these scenarios.

**Assistance with Development of Capital Project Evaluation Process**

This contract will be used to receive outside assistance in the development of an evaluation process for major capital projects. The consultant is expected to have an advisory role in the development of this evaluation process.

**Financial Scenarios**

This contract is for the development of a financial plan. This plan will estimate revenues and costs and will serve as the financial basis for the federally-required fiscally constrained Regional Transportation Plan, which is part of the GO TO 2040 plan.

**State of the Region Report (Economic Issue Paper)**

This contract is for research and preparation of a report on the current state of the region's economy and potential policies, strategies, or investments related to economic development that the plan could recommend.

**REGIONAL WATER SUPPLY STUDY**

Program Oversight and Project Manager: Tim Loftus

Team: J. Elam, S. Perpignani, A. Talbot, H. Ahmed, J. Pfingston, Y. Pineyro, L. Lawson, D. Clark

Description: The project fulfills Governor Blagojevich's Executive Order 2006-1 with CMAP working in conjunction with the Illinois Department of Natural Resources, Office of Water Resources. CMAP will convene, lead, and support a Regional Water Supply Planning Group (RWSPG) that is responsible for plan recommendations, develop water-demand scenarios to 2050 using expanded population projections, facilitate outreach and education, and ultimately produce a regional water supply plan in coordination with the RWSPG for the eleven-county water planning region.

Products and Key Dates: Planning decisions are now being made at each monthly meeting. The ISWS will produce their draft supply/demand analysis report on September 30, 2008. The Northeastern Illinois Regional Water Supply Plan will be delivered on July 1, 2009.

**Regional Water Supply Study Contracts:**

**Outreach Associate (University of Illinois Extension, Illinois-Indiana Sea Grant College Program)**

The new Extension Outreach Associate, Water Resource Economist, is a three-year position and will provide economic analysis in support of regional water supply planning and implementation.

**TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Program Oversight: Management Staff, Patricia Berry

This program develops the region's TIP. Federal, state and local legislation and regulations must be analyzed and influenced to assure CMAP's TIP addresses regional priorities identified through existing Plans and the evolving GO TO 2040 Plan. The region is required to develop and maintain a fiscally constrained TIP which, together with the region's Plan, is conformed to the State's Implementation Plan to attain national ambient air quality standards. In addition to the regional priorities and fiscal and air quality considerations, regulatory elements must be addressed in the TIP. Specific attention to the trade offs among and between local, state and regional programs is essential as the regional, national and global fiscal reality shifts. CMAP must provide the best available technical assistance and analysis to maintain the system in as good a state of repair as possible with extremely limited funds, at the same time preparing to implement priority programs and projects consistent with the region's vision if and when the federal, state and regional resources allow.

### **TIP Development and Implementation**

Project Manager: Teri Dixon

Team: Berry, G. Johnson, Schaad, Banks, Krell, Sanders, Ferguson, Ostidick, Patronskey, G. Smith, Kopec, Kos, Pietrowiak. Overall TIP Outreach: Allen, Bright, Morgan, Pineyro, Weiskind.

Description: Work with local, county, state and national partners to assure regional priorities are addressed and all available funding is used efficiently. Continually assess and influence capital and operational status of the transportation program to assure land use connection, preservation and improvement of our environment and sustainability of economic prosperity. Assure consideration of regional priorities regardless of fund source or implementing agency.

Products: Continually amended and modified Transportation Improvement Program reflective of the region's policy, strategy and funding positions (Ongoing). Amended and modified CMAQ and locally programmed STP Program (October 2008). Visual representation of the information in the TIP database (July 2008). Obligation report (annual). Expenditure reports for local programs (quarterly). Active program management reports for STP (ongoing).

### **CMAQ Program Development**

Project Manager: Doug Ferguson

Team: Patronskey, Berry, Schaad, Johnson, Kos, Pietrowiak, Rice, Palzer

Description: Annual process involving the solicitation of projects proposals; evaluation of the air quality benefits of approximately 200 proposals in terms of the reduction in VOCs, NOX, vehicle trips and vehicle miles traveled. Will also include work on the process improvement, monitoring and database management and post implementation evaluation of emission benefits. Ongoing process involving communication with mayors, other municipal and county representatives, Planning Liaisons, and IDOT to assure efficient expenditure of funds available to locals. Includes work on process improvement, monitoring and database management and recommendations of improvements to process.

Products and Key Dates: Annual CMAQ program (October 2008).

### **Conformity of Plans and Program**

Project Manager: Ross Patronskey

Team: Berry, Kopec, Heither, Wies, Ostdick, Ferguson, Murtha

Description: Northeastern Illinois does not attain national ambient air quality standards for certain pollutants. It is classified as a moderate non-attainment area for the 8-hour ozone standard, and a non-attainment area for the annual fine particulate matter (PM<sub>2.5</sub>) standard. It must implement a transportation program which will help to reduce levels of these pollutants to national standards by 2010. As part of the transportation planning and programming process, the impact of proposed transportation activities on the region's air quality is evaluated. This evaluation, called a conformity analysis, is submitted to the Illinois Environmental Protection Agency and US Environmental Protection Agency for their review before a long-range regional transportation plan (GO TO 2040 Plan) or Transportation Improvement Program (TIP) is approved. The conformity analysis must demonstrate that the emissions resulting from the GO TO 2040 Plan and TIP meet the requirements of ("conform with") the regulations governing air quality.

Products: Conformity Analysis (Ongoing).

### **Transportation Improvement Program Contracts:**

#### **TIP Database Update (Topiary)**

The purpose of this contract is to procure a mechanism to rewrite the existing TIP database using more modern tools and technologies. Federal requirements mandate a TIP and a mechanism to provide monitoring and periodic reports. Updating the database will improve programming efficiency.

#### **CMAQ Evaluation (University of Illinois at Chicago, Urban Transportation Center)**

The purpose of this contract is for the evaluation of the actual impact on travel behavior of CMAQ projects in northeastern Illinois as implemented. The behavior of interest is the behavior relevant to emissions benefits for the particular type of projects; e.g., trips eliminated and trip length, trips diverted and trip length change, change in speed. In this effort bicycle, pedestrian, intersection improvement/bottleneck elimination and signal interconnect projects will be evaluated.

## **CONGESTION MANAGEMENT PROCESS**

Program Oversight: Management Staff, Thomas Murtha

This program addresses the need to effectively manage the region's transportation system. The management and operational strategies developed will include intelligent transportation systems, bicycle and pedestrian policies, managed lanes, transit enhancements and improvements to the freight system. Efforts to improve the safety of the transportation system will be a special focus within this project.

### **Intelligent Transportation Systems (ITS)**

Project Manager: Claire Bozic

Description: This project includes staff support of the Advanced Technology Task Force and the Regional Operations Coordination Working Group. Provide input on technology aspects of Go To 2040 plan. Represent CMAP on ITS related committees such as the Regional Data Archive Working group.

Products and Key Dates:

- Quantitative evaluation measures for the benefits of ITS projects (December 2008).
- Quantitative evaluation measures for the benefits of Operations techniques (December 2008).
- Identification of significant gaps in the region's fiber optic communication backbone (December 2008).

## Performance Monitoring

Project Manager: Tom Murtha

Team: P. Frank, A. Nicholas, T. Palzer, D. Rice, J. Rodriguez, T. Schmidt

Description: One of the elements of the federally required Congestion Management Process is performance monitoring. This work task will encompass data collection, analysis and reporting. Areas to be emphasized include safety with the collection and analysis of crash data; maintaining and expanding the signal inventory while exploring potential applications of this information; and freight. Performance monitor reports will be produced at least once every two months.

Products and Key Dates:

- Arterial Intersection 3-Year Crash Rate Data Set and Paper, July 2008
- Expressway Link 3-Year Crash Rate Data Set and Paper, July 2008
- Arterial Link 3-Year Crash Rate Data Set and Paper, August 2008
- Regional Performance Measure Report: Vehicle Miles Travel, August 2008
- Regional Performance Measure Report: Mode Share, December 2008
- Regional Performance Measure Report: Regional Parking Inventory, April, 2009
- Regional Performance Measure Report: Highway Congestion and Travel Time Reliability (To Include Identification of Congested Locations), June 2009
- Minimum Two Additional Performance Measure Reports, from Section 3.3.1 of the [2030 Regional Transportation Plan](#), October 2008, February 2009

## Congestion Management Strategy

Project Manager: Tom Murtha

Team: D. Ferguson, P. Frank, A. Nicholas, R. Pietrowiak, D. Rice, J. Rodriguez, J. Schaad

Description: The Congestion Management Process (CMP) helps the MPO determine the causes of congestion, develop and evaluate alternative strategies, and monitor the impacts of previously implemented strategies. The CMP also helps set priorities for incorporation into the Transportation Improvement Program and facilitates environmental reviews and project assessments. Section 3.3.2 of the [2030 Regional Transportation Plan](#) identifies congestion management strategies to be implemented by the Region. The I-55/Stevenson Expressway Corridor will be a focus of strategy implementation. Operational and low capital investments will be identified to make optimal use of the infrastructure currently in place in the corridor. Both highway and transit improvements will be considered. Additional corridors in the region

will also be considered, particularly the corridor centered on the Jane Adams Tollway. Any work associated with the Congestion Reduction Initiative will be addressed under this work item.

## Products and Key Dates:

- RTA/CMAP Bus Rapid Transit Workshop, July-August 2008
- Regional Congestion Management Process Workshop, August 2008
- Congestion Management Process Update, October 2008
- RTA/IDOT/CMAP I-55 Scope Concurrence, July 2008
- I-55 Contract Award October-November 2008
- I-55 Contract Completion June 2009
- Regional Congestion Strategy Reports: Arterials, Expressways, Parking, Lane Management/Congestion Pricing (in conjunction with Comprehensive Plan), December 2008

## Freight Analysis

Project Manager: Roseann O'Laughlin

Description: Support for the Intermodal Advisory Task Force (IATF) will be provided for under this work item. Additionally, this project will provide for the Agency's support of the CREATE Program. Initial work will go toward strengthening the membership of and attendance at the IATF. The task force will be utilized to help develop the CMAP's role in goods movement planning. The scope of this project includes the development of regional freight indicators, a Goods Movement Snapshot report and the initiation of a new freight plan for northeastern Illinois. Data collection and analysis is inherent in these tasks. This project will also include Intermodal Connectors related data collection and reporting. A significant portion of the work and Products and Key Dates in the goods movement area will be incorporated into the regional comprehensive plan.

## Products and Key Dates:

- IATF Committee: 12 regular meetings in addition to special meetings
- Freight Snapshot: Complete and present initial findings (Sept 2008), Complete technical report (Jan 2009), Release public report (Feb 2009)
- Freight Indicators: Periodic reports through June 2009.
- Intermodal Connectors: Prepare report for Elwood connector and submit to IDOT (October 2008); Report for remainder of connectors and submit to IDOT (April 2009)
- Initiate Freight Plan (March 2009)

## Bicycle and Pedestrian Plan Implementation

Project Manager: Tom Murtha

Team: J. O'Neal

Description: Task force support; pedestrian safety initiative; provide support for bike-ped workshops; provide assistance to local communities with the implementation of bike-ped plans; completion of Soles and Spokes Plan.

## Products and Key Dates:

- Soles and Spokes Workshops, September 2008, December, March 2009, and June

- Bicycle and Pedestrian Task Force Meetings: August 2008, November, February 2009, and May
- Soles and Spokes Plan Meetings: July 2008, October, January 2009, and April
- Soles and Spokes Plan Task 3 Completion January, 2009
- Soles and Spokes Plan Task 4 Completion, June 2009

## **Congestion Management Process Contracts**

### **Strategic Initiatives**

A contract for technical data development is proposed for CMAP's Congestion Management Process. CMAP must address congestion management through a process that provides for safe and effective integrated management and operation of the multimodal transportation system, based on a cooperatively developed and implemented metropolitan-wide strategy, through the use of travel demand reduction and operational management strategies. A key component of this process is multimodal system performance measures and adopted strategies to improve measured performance. The congestion management process also includes system monitoring and evaluation to identify the causes of recurring and non-recurring congestion. The monitoring data also provides information supporting the identification, implementation, and evaluation of alternative strategies. The technical data development contract will provide assistance in this data development and analysis process, as required by federal regulations.

## **PLAN IMPLEMENTATION**

### **Program Oversight: Management Staff**

The purpose of this program is to offer direct assistance to local agencies and officials to help them prepare comprehensive plans, address land use, planning, zoning and development issues and use geographic information system tools and data in decision making. All activities are designed to build both local and regional capacity efforts in land use and transportation planning.

### **External Data Request Coordination**

Project Manager: Jon Hallas

Team: S. Okoth, B. Rademacher, S. Perpignani, D. Clark, X. Zhang, P. Reise

Description: This project will document all technical assistance and data requests to the agency.

Staff members regularly receive requests from local/county governments and a wider audience. All responses to data and information requests received are documented. These responses provide municipalities with information and research assistance in areas such as demographics, socioeconomics and economic data.

Products and Key Dates: Staff will create and implement a streamlined process to improve efficiency of responding to, distributing, tracking and reporting requests ensure efficiency and management of the process (October '08); Staff will provide data reports, resource booklets or guidelines, general information, maps and analysis reports addressing different aspects of regional planning and other related issues (Ongoing); Four quarterly reports will be produced (Oct '08, Jan '09, Mar '09, and June '09)

## **Corridor Development Initiative**

Project Manager: Erin Aleman

Team: S. Ostrander

Description: The CDI tool helps communities understand how density, affordability, and proximity to transit, can make new development feasible for developers. The tool will be targeted to communities that have a need for housing development but are facing greater challenges than they can overcome alone.

Products and Key Dates: To implement CDI process across the region, staff will develop a formal application (November 2008), whereby communities can apply to CMAP for the CDI program. The primary outputs of this process will be 2 corridor initiative projects (December 08 and February 09) and a final collaborative report with regional partners.

## **Return on Investment Model**

Project Manager: Lee Deuben

Team: S. Ostrander, other staff from Planning and Community and Technical Assistance

Description: Municipalities often lack the tools to determine the financial feasibility of development projects, especially within confines of specific land use regulations. This may result in development and planning that is not based on the realities of the area and will have limited long-term success. CMAP is in a position to provide municipalities with the information needed to improve their planning process and ideally their choices, through the use of the Return on Investment (ROI) tool. This will allow CMAP to support housing development that will better meet the needs of the region's residents, strengthen our relationship with municipal planners, and better integrate housing into CMAP work.

Products and Key Dates: Tool development, focus groups, training materials and curriculum development, and outreach strategy (August through February 2009); Six monthly trainings, ongoing outreach, support or 'help desk', and evaluation (April through June 2009).

## **Economic Impact Analysis**

Project Manager: Brian Rademacher

Team: other relevant staff from Community and Technical Assistance

Description: The impact analysis is used to assist economic developers and planners in making informed decisions as it relates to economic development activity in their area.

Products and Key Dates: Kane County Impact (August '08); McHenry County Impact (September '08); CNT and COD Analysis (October '08); Additional Impact Analyses, as needed (ongoing).

## **Summits and Roundtables**

Project Manager: Bola Delano

Team: Community and Technical Assistance staff

Description: CMAP facilitates and coordinates leadership meetings, summits, and roundtables with private and community sectors throughout the region. These events bring together



economic and community development practitioners, transportation and land use planners, private businessmen and women, and public officials to discuss and coordinate efforts in economic and community development.

Products and Key Dates: Four roundtable training sessions on suggested topics.

### **Green Practices Workshops**

Project Manager: Lori Heringa

Description: A preliminary survey asked municipalities which of 25 basic green practices they are interested in learning more about, which they are currently conducting, and whether they would be willing to share their experiences with the practices. Workshops will be conducted to address those practices of most interest to the staff and officials responding to the survey. The database indicates which communities are interested in which practices and which they are conducting. It will help target audiences for workshops and other technical assistance to staff and officials in communities and park, forest, and conservation districts. It will also provide a reference for us to assist community staff and officials wanting to talk to their peers about their experience with specific practices.

Products and Key Dates: Four environmental best practice workshops and completion of the Clean air counts initiative.

### **Midewin Alternative Transportation Study**

Project Manager: Ty Warner

Team: S. Ostrander, J. O'Neal, R. O'Laughlin, L. Heringa, T. Palzer

Description: The Midewin Alternative Transportation project utilizes the FTA's Alternative Transportation in the Parks and Public Lands program to create a plan for linking the Midewin National Tallgrass Prairie to the Chicago metropolitan region. The plan will review and evaluate options for bringing residents from metropolitan Chicago to and within Midewin, and address the greater challenges of carrying metropolitan visitors from an urban context to a native prairie environment.

Products and Key Dates: Alternative Transportation System Plan for Midewin National Tallgrass Prairie, to be completed 12-18 months from initiation.

### **Planning Commissioner Training**

Project Manager: Ty Warner

Team: E. Aleman, J. Hallas, L. Heringa, S. Okoth, S. Ostrander, B. Rademacher, P. Reise, T. Warner

Description: Workshops for planning commissioners and elected officials across the region. These consist of two ½ day training workshops focusing on roles, responsibilities, law and ethics, fundamentals of zoning, regional planning and resource available, and may involve additional specialized workshops on topic areas that allow for more in-depth training for more experienced commissioners.

Products and Key Dates: 3 general planning commissioner workshops at times, locations, and frequencies that allow appointed citizen planning commissioners to focus on the basics of their

decision-making activities through instruction, dialogue, and peer learning. The regional cycle of planning commissioner workshops begun in FY 08 will be completed in the spring of 09. A specialized leadership program will be developed in 09 to address current issues in planning and zoning.

## County Planning Coordination

Project Manager: Ty Warner

Team: E. Aleman, L. Heringa, S. Ostrander

Description: Close coordination with CMAP's partner counties is critical to effective subarea planning across the region's 283 municipalities. This program assists counties in identifying and addressing areas of mutual concern, provides a forum for cross-county communication, relates county activities to a regional context, and partners with county planning departments to coordinate planning activities and assistance efforts among municipalities.

Products and Key Dates: Continue to convene County Planning Directors meetings for regional coordination of planning activities. Maintain a reference inventory of municipal and county planning documents.

## Public Private Partnership Development

Project Manager: Bola Delano

Team: P. Reise, L. Heringa

Description: To develop a public private partnership taskforce for transit providers in the region and to develop an Industry advisory group to work directly with the Executive Director.

Products and Key Dates: Policy initiatives for Go To 2040 plan; 3 meetings a year for the advisory council; 4 meetings a year for the public private partnership taskforce.

## Full Circle Expansion and Enhancements

Project Manager: Sef Okoth

Team: J. Hallas, L. Heringa, S. Ostrander, P. Reise

Description: This project can be defined in three sub-projects, as follows: 1) *Piloting Full Circle in the Collar Counties*: this sub-project will expand Full Circle project to the collar counties, acquire parcel attributes from the County Assessors office, and integrate the data into the Full Circle domain and test the new survey modules. 2) *South Cook Sub-Regional Project*: This sub-project will deploy Full Circle's mapping and geospatial capabilities to support intermodal sites, TOD, and land-use planning in the South suburban communities. 3) *Preservation Compact*: this sub-project will deploy Full Circle's on-the-ground mapping capabilities to track and assess the rapid loss of affordable rental housing to condo conversion in the greater Chicago area.

Products and Key Dates:

1) *Piloting Full Circle in the Collar Counties*: Integrate parcel data attributes from McHenry and Will into the system (McHenry-Aug 08; Will-September 08); Test the new survey modules in the collar counties (October 08); Identify and select project partners in the collar counties (November 08); Data collection and analysis (McHenry and Will) (March-May 09); Compile a report on the pilot project: (June 09)

- 2) South Cook Sub-Regional Project: Identify study areas, stakeholders and appropriate data fields to be collected (July 08); Scope the project and create phased work plan for each project site: (August 08); Deploy the system to collect and analyze the data (August 08-April 09); Final report (June 09)
- 3) Preservation Compact: Data collection (May- October 08); Data analysis (October-Dec 08); Final report (February 09)

### **Technical Assistance Providers Coordination**

Project Manager: Stephen Ostrander

Team: L. Heringa

Description: Coordination of all technical assistance providers efforts.

Products and Key Dates:

Technical Assistance Providers Group -Plan and Lead Bi-Monthly Providers Group Meetings

Technical Assistance Directory/Clearinghouse (phased completion dates for different elements of clearinghouse, beginning May/June 2008 with basic version of technical assistance directory, extending throughout FY09) .Maintain (add to/edit/update clearinghouse content)

Updated, comprehensive map of technical assistance but will be updated and expanded throughout FY09)

### **Northeastern Illinois Greenways and Trails Plan**

Project Manager: Lori Heringa

Team: T. Murtha, E. Pedersen

Description: The tasks for completing the plan document and updated map for the Northeastern Illinois Regional Greenways and Trails Plan include county review of draft maps currently underway, completion of draft plan document and creation of final draft maps for greenways steering committee review, presentations to CMAP committees, public hearings, adoption by CMAP, and retaining and working with contractor to produce final map with executive summary on back for production and printing.

Products and Key Dates: An adopted Northeastern Illinois Regional Greenways and Trails Plan document and map with executive summary on the reverse (January 2009).

### **Highway and Transit Project Analysis**

Project Manager: Claire Bozic

Team: J. Drennan, T. Fifer, J. Rodriguez

Description: Traffic projections for state, county and municipal partners needed to design improvements; provide assistance to the transit agencies for their New Starts applications.

Products and Key Dates:

- Small area traffic forecasts in response to 130 requests (Completed June 2009)
- Modeled data for 5 Pace BRT Alternatives (Completed June 2009)
- Data provided in response to 12 data requests (Completed June 2009)
- Modeled alternatives for 3 Interchange Justification Reports (Completed June 2009)

## **Plan Implementation Contracts**

### **Centers Toolkit Enhancements (HNTB)**

In FY 2007 the Centers Toolkit was developed to provide a strategic implementation tool for the 2040 Regional Framework Plan. Based on CMAP experience of using the Centers Toolkit with communities, enhancements have been identified to improve the functionality of the Centers Toolkit and to make it a more effective CMAP planning instrument for the longer term. The enhancements would provide the Centers Toolkit on a web-based platform and the direct reporting to CMAP of results from individual communities and users throughout the region on a wide-scale basis.

### **Full Circle Technical Assistance (Schramm)**

The purpose of this contract is to procure GIS services for the MacArthur Foundation Full Circle project.

### **Technical Data Development**

This purpose of this contract is for the procurement of services to update and enhance CMAP's suite of technical assistance tools.

## **WATERSHED PLANNING**

Program Oversight: Management Staff

This program covers the agency's activities in the areas of watershed planning, the study of the region's water supply, analyzing and making recommendations on proposed amendments to facility planning areas, providing technical assistance and project oversight to various USEPA and IEPA grant programs and participating in various stakeholder groups throughout northeastern Illinois.

### **Volunteer Lake Monitoring Program (VLMP)**

Project Manager: Holly Hudson

Team: R. Pietrowiak

Description: Coordinate Illinois EPA's VLMP for the seven county region, including over 100 volunteers at approximately 80 lakes.

Products and Key Dates: Technical assistance, training (May 2009), data management, monitoring forms, maps, fact sheets, quarterly reports.

### **Maple Lake Phase 2 Rehabilitation and Protection Program**

Project Manager: Holly Hudson

Team: R. Pietrowiak

Description: Technical advisor to the Forest Preserve District of Cook County for an Illinois Clean Lakes Program Phase 2 rehabilitation and protection project at Maple Lake.

Products and Key Dates: Water quality monitoring (monthly during July, August, September, October 2008; May, June 2009), accumulated sediment volume assessment (July 2008), aquatic

plant community surveys (September 2008, June 2009), technical consultation, quarterly reports.

### **Lake Biodiversity Recovery and Protection Plan Development Pilot Project**

Project Manager: Holly Hudson

Team: P. Dubernat

Description: Joint project with the Lake County Health Department-Lakes Management Unit. The goals of the project include developing a lake biodiversity database, updating lake classifications from Chicago Wilderness' Biodiversity Recovery Plan, and preparing two lake-specific biodiversity recovery and protection plans.

Products and Key Dates: Two recovery and protection plans and a summary project report (December 2008).

### **Facilities Planning Area (FPA) Process**

Project Manager: Dawn Thompson

Team: D. Kopec, J. Elam, T. Loftus, T. Palzer, D. Clark

Description: FPA is defined as "a centralized sewer service area to be considered for possible wastewater treatment facilities within a 20-year planning period." CMAP is the designated water-quality planning agency for the six-county region, with responsibility for reviewing wastewater permits and facility plans to ensure consistency with the federally approved Illinois Water Quality Management Plan. CMAP's Wastewater Committee conducts reviews of requested changes to the plan's current water-treatment boundaries and makes recommendations to the Illinois EPA, which maintains decision-making authority for amendments to the plan.

Products and Key Dates: Recommendations to IEPA on requested changes to FPAs in northeastern Illinois.

### **Fox and Des Plaines River Watershed Protection, Restoration, and Education (Phase 3)**

Project Manager: Holly Hudson

Team: R. Pietrowiak

Description: Serve as the grant administrator and technical advisor through a Clean Water Act Section 319 Nonpoint Source Pollution Control Program grant from Illinois EPA for three implementation projects within the Fox River watershed and one implementation project within the Des Plaines River watershed.

Products and Key Dates: Implementation of watershed projects, quarterly reports, draft O&M plan (February 2009), final O&M plan (April 2009), draft project report (April 2009), final project report (June 2009), photographic documentation (June 2009).

### **Fox River Watershed Restoration and Education (Phase 4)**

Project Manager: Holly Hudson

Team: R. Pietrowiak

Description: Serve as the grant administrator and technical advisor through a Clean Water Act

Section 319 Nonpoint Source Pollution Control Program grant from Illinois EPA for four implementation projects within the Fox River watershed.

Products and Key Dates: Implementation of watershed projects [note: contract language and dates not yet finalized with Illinois EPA, so no specific dates for FY09 can be provided at this time], quarterly reports.

## **Jackson Creek Watershed Plan**

Project Manager: Jesse Elam

Team: A. Talbot, H. Ahmed, K. Heery

Description: The purpose of this project is to develop a state-approved and locally-acceptable watershed based plan for Jackson Creek that follows U.S. EPA guidelines and that is designed primarily to address water quality impairments. The watershed based plan will address the HUC 10 watershed — including the sub-watersheds of Jackson Creek, Jackson Branch, and Manhattan Creek — with both a protective and remedial thrust, reflecting the need to control existing impairments as well as to anticipate and prevent further degradation. Impairments resulting from nonpoint source pollution from agriculture and urbanization, broadly speaking, will be the main focus of the analysis and plan recommendations, although municipal point source discharges cannot be ignored. The resulting site-specific plan of action may include as recommendations both structural BMPs as well as non-structural measures, such as policy changes, as appropriate.

Products and Key Dates: Watershed resource inventory (August 2008); Executive summary, full plan, full color poster documenting existing conditions and plan recommendations (January 2009).

## **IIT Water Re-Use Opportunities**

Project Manager: Jesse Elam

Team: T. Loftus, H. Ahmed

Description: The Principal Investigator (PI) at the Illinois Institute of Technology will develop an optimization model to guide decision-making for water reuse by agencies in charge of wastewater treatment and industrial end users. The main roles of the Chicago Metropolitan Agency for Planning (CMAP) in the project will be to identify and organize stakeholders to provide advice on the development of the water reuse decision model, and to disseminate the results of the study through regional workshops with representatives of affected public sector agencies. In a supporting role, CMAP will also directly assist in developing the objectives and technical specifications of the model as needed.

Products and Key Dates: Two workshops with potential users (summer and early fall 2008); Project to be completed (December 2008) if extension from USEPA is approved.

## **Kishwaukee River Basin Planning**

Project Manager: Tim Loftus

Team: J. Elam, K. Heery

Description: In partnership with the Kishwaukee River Ecosystem Partnership members, the plan is expected to address the nine components of a watershed-based plan that are required with funding through Section 319 and IEPA, utilizing the Basinwide Management Advisory Group

(B-MAG) framework. These plans will be the first to be considered for incorporation into areawide water quality management plans.

Products and Key Dates: Three watershed plans by July 31<sup>st</sup>.

### **Watershed Planning Contracts:**

#### **Water Resource Engineering Technical Support (Hey and Associates)**

The contract is to procure assistance with technical and policy support and regulatory knowledge as applicable in the areas of water quality, water supply, water re-use, stormwater, flooding, soil erosion and sediment control, watershed planning and implementation, stream/lake/wetland management, and nonpoint source pollution control BMPs, among others.

#### **Non-Engineering Level I and II Wastewater FPA Review (Clark Dietz)**

Consultant responsibilities will include providing water quality management plan consistency reviews of wastewater land treatment systems and boundary expansion, working with CMAP's engineering consultant and incorporating their technical review into the overall review of each application, and working with the CMAP staff to provide a summary report and overview of recommendations for Level I reviews.

## **POLICY DEVELOPMENT AND STRATEGIC INITIATIVES**

Program Oversight: Management Staff

The overarching aim of this program is to provide research, analysis and development of policies to support, promote and integrate transportation and land use planning. Another vital goal is to improve CMAP's capacity to understand and communicate the significant impacts that land-use and transportation decisions have on each other and housing, economic and community development, natural resources, and human services. This project will also coordinate the policy development activities across all functions of the agency.

### **CMAP and MPO Committee Support**

Description: Provides staff support to the CMAP Board, the MPO and the committees that report to both policy boards.

Team: J. Allen, P. Berry, J. Bright, L. Deuben, T. Dixon, J. Leary, J. Elam, H. Morgan, B. Rademacher, T. Warner, R. Pietrowiak

### **Policy Development for Regional Focus Areas**

Team: A. Byrne, L. Deuben, J. Elam, J. Leary, M. Maloney

Description: While much of CMAP's policy development will occur through the *GO TO 2040* planning process, the purpose of this item is for the deployment of communication tools, principles and/or initiatives which can be undertaken by staff in FY '09 alongside the Plan's development.

Products and Key Dates: TBD

### **Developing the Process and Reviewing Developments of Regional Importance (DRI)**

Team: R. Blankenhorn, J. Leary, D. Kopec, K. Wies

Description: Establish a prototype regional review process that defines the regional context and implications of large scale land use and transportation proposals. This is a function of the regional planning agency explicitly called out in the legislation.

Products and Key Dates: Draft report on the regional impacts of a "development of regional importance".

### **Legislative Analysis**

Project Manager: Jock Hardy

Team: Allen, Pineyro, other relevant staff

Description: This project informs the policy development and agency initiatives by monitoring the state legislative process and performing analysis of bills that impact CMAP and or regional issues and developing the appropriate agency position to legislative matters. Information will be provided to the Illinois General Assembly on CMAP and regional issues.

Products and Key Dates: Weekly legislative committee report (Ongoing during Session);  
Legislative recap (Due two months after session ends).

### **CMAP Annual Report**

Team: J. Leary, T. Garritano

Description: Annual report describing overall CMAP progress toward key milestones.

Product and Key Dates: FY '08 CMAP Annual Report (September 1, 2008)

### **Policy Development Contracts**

#### **Federal Government Legislative Outreach Services (Wilkison Consulting)**

The consultant will review and provide reports on federal legislation and policy changes impacting CMAP and to facilitate congressional and agency outreach. The consultant will provide information and technical assistance with material development to convey CMAP issues to the federal delegation and agencies. The consultant will also provide information to CMAP on federal funding opportunities.

#### **Strategic Planning**

The purpose of this contract is to procure strategic planning services for CMAP. The objective is to measure agency progress against regional outcomes and indicators of success. These services will result in an enhanced update of the September 2006 CMAP Strategic Report on Visioning, Governance and Funding.



## DATA DEVELOPMENT AND ANALYSIS

### Program Oversight: Management Staff

This program includes tasks needed to prepare primary datasets that originate with CMAF as well as those developed by other sources. Data collection is an important aspect of CMAF's expanded planning responsibilities. It permits the integration of environmental, transportation, housing, economic development, socio-economic and land use planning data. These efforts will be critical to establishing base datasets for evaluating projects of regional significance. This program is also critical to facilitate the electronic exchange of raw data within and between CMAF and other agencies and organizations. Establishing strong and robust data exchange agreements and protocols between governments and organization is critical to maintaining current and credible planning data resources.

### Land Use Inventory

Project Manager: David Clark

Team: J. Drennan, E. Pedersen

Description: A GIS-based inventory of land uses in the CMAF region, broken out into 49 categories. The Inventory is used by Agency staff for environmental and land use planning work, and is used in validating growth projections; outside of CMAF, the Inventory is used by university researchers, transportation planning firms, state and federal agencies, the RTA, and numerous NGO's. Currently the Inventory is produced on a five-year cycle, with the 2005 Inventory scheduled for release in fall 2008. An updated version of the 2001 Inventory will be released simultaneously,

#### Products and Key Dates:

- 2005 Inventory:
  - Completion of all quality control work (July 2008)
  - Completion of Regional Snapshot/Summary Report (September 2008)
  - Completion of metadata (September 2008)
  - Data release (October 2008)
- 2001 Inventory:
  - Complete updated metadata (August 2008)
  - Data release (October 2008)
- 2010 Inventory:
  - Begin discussions with USGS and counties for digital orthophotography acquisition for spring 2010 (January 2009).
  - Develop improved methodology (ongoing).

### County and Municipal Socioeconomic Inventory

Project Manager: Jack Pfingston

Team: D. Clark, D. Morck, E. Pedersen, S. Perpignani, K. Wies

Description: Historically anchored to the long-range RTP planning cycle, the collection of data regarding expected future municipal and county growth will function as an ongoing activity rather than being so strongly tied to plan development. The project's goal is to capture expected growth in terms of spatial extent, type, and intensity for a horizon year of 2040. The process will include a GIS-based tool that illustrates existing geospatial and demographic conditions,

provides a capability to depict expected future land use and attendant densities, and calculates resultant demographic projections.

Products and Key Dates: Interactive GIS application data collection tool and in-person interviews with municipal and county staff. July 15, 2008—projection tool prototype ready for field testing (July 15, 2008); projection tool ready for field deployment; interviews with municipal officials begin (August 19, 2008)

## **Household Travel and Activity Inventory**

Project Manager: Sandy Perpignani

Team: A. Fijal

Description: This travel inventory is critical to validating existing travel models and advancing travel model development. For FY '09, this project will create a set of tabulations for the 2007 household travel data that can be used as a reference and overall guide to understanding the data set.

Products and Key Dates:

- Review existing tables and queries supplied from NuStats (July 08)
- Review 1990 tabulations. (July 08)
- Develop outline and introductory text (Aug 08)
- Create tables and charts to describe data tabulated and cross tabulated by meaningful variables. For example, all trips by mode of transportation; transit trips by income; trip purpose by age; trip length by household location; etc. (Jan 09)
- Review, organize, bind (Mar 09)

## **Transportation System Inventory**

Project Manager: Craig Heither

Team: J. Hallas, A. Dryla-Gaca, E. Pedersen, interns working under contract with Argonne National Laboratory

Description: Work is focused on maintaining and updating datasets that are used to represent the transportation system when evaluating costs, benefits and environmental impacts under a variety of planning and investment scenarios. Specific tasks are driven by project applications and changes in required analysis formats.

Products and Key Dates: Updated dataset of bus route coding (January 2009). Updated dataset of highway system infrastructure for 6+ counties in Illinois located outside of CMAP's planning area (May 2009). Management documentation (on going).

## **Data Library Management**

Project Manager: Greg Sanders

Team: X. Zhang, G. Wu, T. Fifer, R. Krell, D. Clark

Description: Documentation of all relevant CMAP-created data; disposition and documentation of all external (non-CMAP) data acquisitions.

Products and Key Dates: Detailed directory of CMAP databases to inform users and enable computer applications to accurately interact with CMAP data.

- May 2008 - Create a web interface for entering metadata for CMAP data tables and data fields
- June 2008 - Document all CMAP data tables with title, description, creator, provider, scope and terms of use
- July 2008 - Associate all CMAP data tables with data categories, and all data fields with data categories and keywords
- August 2008 – Document all aggregations of CMAP data to geographic levels other than the data source's native level.
- September 2008 – Document all CMAP data tables with Extract/Transform/Load (ETL) and table lineage information (describe processes/scripts/programs used to import the raw data into CMAP system)
- September 2008 – All data sets in Data Depot & SDE have up-to-date metadata.
- October/November 2008 – integrate metadata library directly into CMAP data systems
- November 2008 – Seminar on metadata literacy for all technical/analytical staff.
- December 2008 – Web-based query tool for users to find CMAP data by keyword, data set name, geographic keyword, etc.
- January 2009 – establishment of a GIS data distribution policy

## Internet Mapping Infrastructure

Project Manager: Greg Sanders

Team: R. Krell, G. Wu

Description: Create and manage web-based geospatial systems using ESRI mapping products, Google Maps/Earth and/or other products as appropriate

Products and Key Dates:

- June 2008 – Publish a usable web map of Transportation Improvement Program (TIP) data
- July/August 2008 – Add spatial layers to the TIP maps, publish other base data using a common application framework
- September 2008 – develop Google Maps/Google Earth functionality for simple displays of small data sets
- December 2008 – acquire Google Earth Enterprise system (contingent on management approval)
- March 2009 – deploy extensive Google Earth Enterprise layers and attributes based on all appropriate CMAP data stores (contingent on management approval)

## CMAP Data Portal Websites

Project Manager: Greg Sanders

Team: R. Krell, G. Wu

Description: Web data systems for display and dissemination of CMAP data.

Products and Key Dates:

- May 2008 – Upgrade the ParcelPointer microdata system for deployment outside Cook County

- July 2008 – Upgrade the ParcelPointer microdata system to read MS SQL Server databases and take advantage of new CMAP web servers
- September 2008 – Deploy new www.cmapdata.net web portal to give users access to data query tools, data downloads, and similar features
- November 2008 – Roll out data visualizations engine with dynamic graphs and tables (allowing drilldowns)
- January 2009 – Integrate data visualizations into www.cmapdata.net web portal
- March 2009 – roll out first demonstration project within issue-specific framework portal

*NOTE: real-time data exchange requires the cooperation of other governmental agencies in northeastern Illinois in making relevant data available to CMAP in real time. The importance of data exchange is such that a major partner willing to set up data exchange linkages would justify a revision of our work plan for data portal websites.*

## **CMAP Research and Analysis Wiki**

Project Manager: Sandy Perpignani

Team: A. Fijal, E. Pedersen, S. Perpignani

Description: A “wiki” allows users to collaboratively create, edit, link, and organize research content for reference purposes. This is a valuable asset to communicating research questions and reference materials within CMAP and to the planning community. This project will consist of the design and development of this product. The application would be a web site, initially available only to CMAP staff, that could be dynamically updated and edited by many visitors, thus creating a collaborative, interactive database of past research requests and responses, with hyperlinks to the component parts of each question and solution.

Products and Key Dates: Review existing research requests and categorize according to the type of request and sources needed for the solution (Aug 08); Create a web page (Oct 08); Enter key requests and solutions and hyperlink key words, concepts, phrases, etc. to new content (Feb 09); Once a template is created and existing requests are entered, invite more CMAP staff to expand on existing pages and build new ones (Mar 09); Monitor edits, additions, and deletions. (Mar 09).

## **Data Development and Analysis Contracts**

### **Regional Economic Modeling (University of Illinois on behalf of the Regional Economics Application Laboratory)**

Under this contract, CMAP will utilize REAL's traditional projections of product, employment, and population as a “reference” forecast and will update and modify the model to meet the needs of the long range comprehensive plan for the Chicago region in 2010.

### **Land Use Modeling (UIUC/LEAM)**

The contract is to demonstrate the successful transfer of data between regional travel demand models and a prototype regional land use model. This contract is part of a larger effort to establish a set of policy responsive modeling and forecasting tools for regional planning.

**Population Synthesis in Support of Regional Travel Demand Modeling (University of Illinois at Chicago)**

This tool is used to statistically estimate the characteristics of the regional population under a specified set of observed demographic characteristics. The population synthesis tool is developed in such a way that the attributes of individual households add up to the prescribed regional subtotals of those attributes.

**GIS-Based Technical Support**

This contract is for a PC-based Geographic Information System (GIS) application for graphically displaying, interactively modifying, and calculating socioeconomic implications of anticipated land use changes during interviews with local government officials in a field setting.

**Data Exchange Technology**

The purpose of this contract is to establish a framework for local governments to exchange data using real-time internet connections. Data from numerous public entities is crucial for planning and development efforts at CMAP and other agencies.

**Development of Household Travel Sample Enumeration Model (Parsons Brinckerhoff)**

The purpose of this contract is the development of a household travel sample enumeration model for use in regional travel demand and forecasting.

**Update to the Trip Generation Model (Parsons Brinckerhoff)**

The purpose of this contract is to develop modifications to the current trip generation model and explore concepts for the model component. The objective of the procurement is to (1) update the model using information from the household travel inventory database and most current census data, (2) make it easier to keep the model up to date using continuous census data collection, (3) enhance and expand the range of reports produced by the model and (4) improve the model's flexibility in terms of input file specification and interaction with other model steps.

**Real Time Data Dissemination**

The purpose of this contract is to procure services associated with work program items related to CMAP data library management, internet mapping service and establishment of CMAP data portal websites. These services support CMAP's strategic objective of being the region's resource for planning data exchange and dissemination.

**Modeling Research**

The purpose of this contract is to procure continued research and development, primarily with Illinois university-based research institutions, in support of integrating analysis and evaluation of transportation, land use, environmental and economic development planning strategies.

**INFORMATION TECHNOLOGY MANAGEMENT**

Program Oversight: Management Staff, Matt Rogus

Information Technology Management refers to the design, acquisition, deployment and

management of computing, telecommunications and data resources at CMAP. We will enhance our local area network, Web services and telecommunication links to function effectively and efficiently.

## **Web Environment Management**

Project Manager: Lance Tiedemann

Team: M. Rogus, Consultants

Description: Daily management and monitoring of hardware and software related to the internet protocols and processes.

Product: Functional interface between internal network and Internet.

## **Computer Infrastructure Management**

Project Manager: Matt Rogus

Team: P. DuBernat, Consultants

Description: Daily management, monitoring and performing the purchase and maintenance of server hardware systems, as well as any other equipment that supports the use of servers.

Perform daily management, maintenance and monitoring of all CMAP network and communications equipment.

Product: Functional interface between agency workstations and storage area network.

## **Application Software Management**

Project Manager: Matt Rogus

Team: P. DuBernat, Consultants

Description: Performing the purchase, maintenance and deployment of application software including daily management, monitoring of all CMAP network and communications software, and periodic assessment of software needs and oversight of license agreements.

Product: Maintained software applications.

## **Office Systems Management**

Project Manager: Penny DuBernat

Team: Matt Rogus, L. Tiedemann

Description: Daily monitoring of office systems, principal contact with vendor maintenance contractors.

Product: Maintained telephones, printing equipment, cell phones, entry security, digital recording systems.

## **Information Technology Management Contracts:**

### **IT Consulting Service Support (Falkor Group)**

This contract is for the provision of two on-site computer network engineers to help create, design,

implement and maintain an IT system that will serve the agency's work programs over the next five years. The firm will provide on-going maintenance and support services for CMAP's IT network consisting of approximately 115 users, 20 servers and 130 workstations and laptops.

### **Web Services**

This contract will be to provide on-going support for the CMAP website.