

# Air Quality and Transportation Management Task Force

## DRAFT

### Meeting Notes

for the

**October 19, 2006 Meeting**

Held at 10:00 AM

DuPage Conference Room

Chicago Metropolitan Agency for Planning

233 So. Wacker Drive, Suite 800, Chicago, IL 60606

The attached annotated agenda for the October 20 meeting is attached and made a part of these notes. See Attachment A.

I Introductions & Attendees. The Meeting Initiated at 10:00 AM.

Tim Grzesiakowski	Hewitt Associates, LLC
Sasha Proropoff	Metra
Taqi Mohammed	Pace
Emily Metz	CNT
Patricia Killinger, P.E.	Will Co. DOT
Chalen Hunter	CATS Liaisons
Henry Guerriero	ISTHA
Chalen Hunter	Northwest Municipal Conference
Kim Kolody, P.E.	CH2MHILL
A. Mallick	CTA
Dean Mentjes	FHWA
Brenda McGruder	CDOT

CMAP Staff Attending

Art Nicholas  
Dan Rice  
Tom Vick  
Jose Rodriguez

Interested Party's

Ryan Dietz	NU-Meddill School of Journalism
Hillary Protor	NU-Meddill School of Journalism

## II July 21, 2006 Meeting Notes.

No comments were received, acceptance left open until end of the day October 20. No additional comments were received.

Motion by Grzesiakowski, seconded by Guerriero to accept the notes pending additional comments, approved by the Task Force.

### Old Business

#### I Traffic Signal Interconnect Inventory Dan Rice, CMAP

Staff provided a brief overview of the final report and distributed a handout that included: the working paper abstract; summary pages on the current status and observations on regional trends, and next steps for inventory development; a regional map; and an example of the SIGIC database. It was noted there were only minor revisions from the version distributed at the July AQTM meeting, which included a full discussion of the paper. A limited number of hard copies of the full report were provided but an electronic version is available.

Task Force Action: The Task Force concurred in the final document and recommended it to the Work Program Committee.

Please direct comments, questions and inquiries to Dan Rice 312/386-8804.

#### II Traffic Signal Inventory Dan Rice, CMAP

Staff provided a status report on this project to update and enhance the regional traffic signal inventory. The initial project coordination and data gathering has begun and development of the database format is underway. The purpose of the project is to incorporate traffic signal information regarding location of signalized intersections, types of signal controllers and emergency vehicle preemption (EVP) devices, agency jurisdictions, and also includes updating of signal interconnects in the region. So far there is no progress to report on the development of an on-line data entry, but staff is moving forward with the needs assessment and data collection.

Staff has been meeting with regional agencies to summarize what has been done with their signal interconnect information, to provide brief descriptions of the traffic signal update project, and to discuss available information that agencies may be able to provide. So far several major agencies have been very helpful with some contributing portions their own working traffic signal inventories, but much more coordination will be needed. Other discussion topics included: the planning level nature of the project, EVP and transit signal priority (TSP) technologies, and the complexities of traffic signal operations agency jurisdictions.

Task Force Action: None required.

Please direct comments, questions and inquiries to Dan Rice 312/386-8804.

II Non Central City Park n Ride Lot Phase 1, Engineering Design Status Report

Art Nicholas, CMAP  
Kim Kolody, CH2MHILL

CMAP and CH2MHILL staff presented the following status of the phase 1 lots engineering design.

- IL-31 @ Virginia Rd. in McHenry County  
This part of the project is on schedule and the lot will be designed for the future intersection configuration, but not yet funded.
- IL-38 west of I-355 in DuPage County  
This part of the project is awaiting information from the DuPage Forest Preserve for drainage purposes and wetland surveys from IDOT. We are also seeking better contacts at ComEd from IDOT District 1, Bureau of Design personnel that may have knowledge or experience in agreements with utility companies.
- US-20 @ I-290 in DuPage County  
Will be designed for the future ramp configuration with the first phase on construction to take place near the west end of the lot that will be unaffected by the reconstruction of that interchange.
- IL-68 @ IL-53 in Cook County  
Will be used as a template for the rest of the interchange reports. This will be the first submittal of the draft location drainage study and project report. CMAP is requesting that a ramp meter is installed at this location to regulate ramp traffic.
- IL-25 @ I-90 in Kane/Cook County  
This location for the project is on hold awaiting any comment for direction by ISTHA.
- I-57 @ US-6 in Cook County  
CMAP is requesting the presence of ramp meters to regulate traffic at this location in addition to approval from the FHWA regarding access from the proposed parking lot, on to a ramp which leads to a collector distributor drive that later enters the mainline. This project is also awaiting environmental clearance from IDOT to determine final site selection by cost for removal of the muffler shop.

Staff noted that if the AQTM concurs meetings will be held between IDOT, ISTHA, Pace and the counties to identify possible park n ride lots that would serve the Oak Brook core as a Phase 2 of this program.

The AQTM suggested as this program proceed that a second field trip for FHWA, IDOT and ISTHA engineers be made to the Park and Ride Lot in Wisconsin to observe how they function. The young professional engineers at IDOT, ISTHA and the FHWA have not observed on a first hand how slip ramps and ramp meters working in unison with park n ride lots to control the safe merging of vehicles onto a controlled access expressways as has been successfully engineered in Wisconsin. CMAP re-emphasized that it will not authorize or agree to the installation of slip ramps without the use of ramp meters which provide safe ramp entry through gap time afforded by the meters.

This latter area is a major obstacle to developing a park n ride lot program in support of regional transportation alternates to driving alone.

Task Force Actions: The Task Force took three actions. They were:

1. Authorized staff at a date to be determined, based on level of completion of the project engineering, location design study and environmental documentation to hold the project public hearing.

Discussion: Tim Grzesiakowski recommended that a public hearing be held at each site. Staff noted that funds for such a large hearing process were not available, and that staff had considered holding the hearing in Schaumburg, as this is the suburban work trip destination for the Phase 1 lots. Staff would explore notification options in the vicinity of the lots and possibly would sign each potential lot as to the hearing date and location.

The Task Force so authorized the public hearing.

2. Authorized staff, to proceed to coordinate with the appropriate agencies on the selection of lot locations for Phase 2. Phase 2 would focus on work trips destined for the Oak Brook employment core.

Discussion: Henry Guerriero requested to know why staff did not recommend proceeding with work trips destined for the Lake Cook employment core. It was noted that the Lake Cook core was the AQTM's recommended 3 phase project, and that currently a number of commuter enhancement projects are focused on this core.

Task Force so authorized Phase 2 focusing on the Oak Brook core.

3. Authorized staff to place two placeholder CMAQ applications for construction engineering design and construction for Phase 1 and include up to 6 lots and for Phase 2 engineering design.

Task Force so authorized.

Please direct comments, questions and inquiries to Art Nicholas at 312/386-8792.

### III TM&O Specific Plan Development

Jose Rodriguez, CMAP

Staff briefly described the strategy solicitation and prioritization process, remarking on the information sessions held with several groups of TMO stakeholders. Strategies had been ranked in three areas: TSM, TDM and Freight Operations. The highest priorities are traffic signal integration and intersection improvement. These objectives are facilitated by the two studies described earlier in the meeting. The TMO Technical Plan document and its elements on data, climate, and strategy descriptions was also presented. If interested please contact Jose Rodriguez for a copy. The TM&O working group had authorized CMAP staff to create a final plan drafting committee to guide, review and edit and the finalize draft technical plan by early 2007. Staff concluded by emphasizing the TMO Specific Plan's role in guiding future regional transportation plans and fund programming.

Tom Vick added that stakeholders have noted that the TMO Specific Plan should have as a goal higher-than-current funding levels for M & O projects in the region (tables showing FY 06-10 TIP funding levels for selected projects was also available to the Task Force members). The first of documents that the proposed guidance and review group will see is "the Approach to the Development of the Strategy and Implementation Sections of the TMO Specific Plan". This document outlines the key elements the plan should address.

- A process for the collaboration on and coordination of strategy implementation at the corridor to regional level to address congestion.
- The need to monitor arterial traffic operations.
- Assuring that TM&O strategies are evaluated as proposed in the tool kit.
- Agreement on integrating capital capacity and TM&O strategies to optimize the system.
- Agreement on objective measures.
- A common system to evaluate benefits that is real time and allows for network analysis of integrated approaches
- Increased funding

This is a more action based statement of needs and objectives which the Plan seeks to achieve.

In terms of meeting action items, Safety and Security was approved by the AQTM Task Force to be included in the TMO Specific Plan as a strategy Element alongside Transportation System Management (TSM), Travel Demand Management (TDM) and Freight Operations.

Please direct comments, questions and inquiries to Jose Rodriguez 312/386-8806.

#### IV Value Pricing Project

Tom Vick, CMAP

Staff reported that they had been preliminarily notified that the region had been selected for a value pricing project award by the FHWA for this fiscal year. Copies of the project proposal were distributed. The project objective is to select up to six (6) locations where traffic congestion queue by-pass could be constructed. By-passes are to be considered for development as HOV/HOT type facilities with premium tolling for single occupancy vehicles during peak travel periods. Tolls may also be charged for HOV's. Facilities could also be considered as truck only where conditions so justify.

Transportation Management and Operations staff (T. Vick) drafted the proposal for the tollway. Henry Guerriero, ISHA, noted their pleasure at the potential award and that the tollway would be providing the local match and looked for CMAP to take a lead role in project management and development. Dean Mentjes, FHWA, could not at this time provide further information on when the grant would be made. However, he noted the FHWA's pleasure at seeing this innovated application being offered by the region.

Task Force Action: Non required.

#### New Business

##### I CMAP Program

Tom Vick, CMAP

Copies of the report to the Illinois Legislature, as required by the Regional Planning Board legislation was distributed, as well as copies of the CMAP organizational structure and staff reporting responsibilities. Anyone that has any questions should contact either Tom Vick, Randy Blankenhorn or Jill Leary at CMAP.

Task Force Action: Non required.

##### II Other New Business

Non

#### Status Reports

Tom Vick provided the following status reports.

Truckway Network Analysis (C4T). A truckway network analysis to determine if a feasibility study should be pursued to locate a truck only facility in the south suburbs to accommodate east west truck movements has been completed in draft form. The results suggest that a feasibility study should be pursued. The analysis results initially appear to be positive. The report is to be coordinated with IDOT, ISTHA, CDOT and INDOT prior to a presentation to the Inter Modal Advisory task force in November. Coordination to identity a contact has been initiated with INDOT. This item will received a complete report at the next AQTM meeting.

UIC IGA's. Two IGA/Contract are to be sent to the UIC this month. They are for the Ramp HOV study and maintenance of the CMAP internet servers at UIC and support for VISTA installation. The Ramp HOV contract will provide graduate student assistance under the direction of Kazuya Kawamura, PhD for a feasibility study of ramp HOV on I 290 and IL Rt 53 between Lake Cook Road and Austin Ave on the Eisenhower Expressway. The overlap with the IDOT Eisenhower HOV project is to allow integration of these TM&O strategies. IDOT District 1 has been coordinated with on this project. Originally this project involved both a restudy of the previous Dan Ryan feasibility study and the I 290 / IL Rt. 53 study. However, due to budget limitations the project scope was reduced. It is anticipated that the Dan Ryan study will be initiated once the Dan Ryan reconstruction project is completed.

VISTA Installation. The IGA between CMAP (IDOT) and the UIC for the use of the VISTA dynamic traffic assignment model to simulate for training purposes the effect of a major incident is proceeding. VISTA is being installed at the UIC/AIL on CMAP's internet servers. It is anticipated that installation will be completed on November 1, 2007. IDOT has been coordinated with regarding the 2007 incident simulation, and preliminarily committed to an exercise where VISTA, the Lawrence Livermore real time flume (biologic, chemical, radiological) model and VISTA will be used in conjunction with Argonne communication systems to simulate the operations effects of an incident and support the incident command center in its response. VISTA will be calibrated based on expressway using current expressway operations data. The CATS model network will be snapped up to GIS base, so that users will not have to interpret a network. VISTA is currently being used nationally by Parsons Brinkerhoff, and for Georgia DOT in evaluation of the expressway and arterial system in Atlanta. It is anticipated that installation and calibration will be complete by March 1, 2007. The design of the exercise will be by committee composed of IDOT, etc. under the direction of Professor Joseph Schofer, NU, who will also write the review of the exercise.

Park n Ride Policy. As part of the Non Central City Park n Ride lot program CMAP was requested by IDOT central office to prepare a draft policy on park n ride lot development. A draft has been prepared and will initially be coordinated with IDOT District 1 and the counties prior to submittal to Central Office.

Next Meeting Date January 18, 2007

Adjourned: 11:55 AM

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## Air Quality and Transportation Management Task Force

### **Meeting Announcement & Annotated Agenda**

**October 19, 2006**

10:00 AM

McHenry/Kane Rooms

Chicago Metropolitan Agency for Planning

233 S. Wacker Drive, Sears Tower

Suite 800

Chicago, IL 60606

<u>Agenda Item</u>	<u>Descriptions</u>	<u>Staff</u>	<u>Time</u>
I	Introductions	All	
II	Notes of April 20, 2006 Meeting	All	
	See Attached		
	Old Business		10:05 AM
I	Traffic Signal Interconnect Inventory	Dan Rice, CMAP	
	Staff will present the final report. Those wishing to review the document in detail with Dan Rice should contact him at 312/386-8804.		
	Task Force Action: Accept Final Report		
II	Traffic Signal Inventory		
	Staff will bring the Task Force up to date on this recently initiated project to map and inventory traffic operations signals. Initial project coordination and data collection has begun, and development of data base format is in process. Those wishing to discuss this program in detail should contact Dan Rice should at 312/386-8804?		
II	Non Central City Park n Ride Lot Program	Kim Kolody, CH2MHILL	

Art Nicholas, CMAP

This program to initiate a system of park n ride lots at expressway interchanges is proceeding on schedule through its design engineering phase. CH2MHILL will present preliminary design documents for the following locations

- IL Rt. 31 at Virginia Road,
- IL Rt. 68 (Dundee Rd) at IL Rt. 53,
- IL Rt. 25 at I 90,
- US Rt. 20 at I 290,
- IL Rt. 38 at I 355, and
- US Rt. 6 at I 57.

It is anticipated that the IL Rt. 25 and I 90 site will not proceed to funding for construction documents and construction in Phase I of the program. Staff and CH2MHILL will explain the issues facing this location. Further, staff will report on the FHWA coordination meeting of October 18, regarding HOV priority slip ramps on interstate routes.

At the conclusion of this presentation staff will request that the Task Force authorize a future public hearing. The date for this hearing will be determined based on finalization of design documents and the project report to a level of completion sufficient to allow for public review. Staff will work with officials in the Schaumburg area to hold the hearing there, given the purpose of these lots is to facilitate rideshare to the Schaumburg core.

CMAP staff will also present a listing of potential lots that would focus on employment destined trips to the Oak Brook core for Task Force consideration as Phase II.

Task Force Action: Review, comment and authorization of a public hearing.

Comments: Please direct comments and questions to Art Nicholas at 312/386-8792.

### III TM&O Specific Plan Development

Jose Rodriguez, CMAP

CMAP staff working with the TM&O Work Group is continually developing the draft technical plan document and has completed a strategy solicitation and prioritization effort with the assistance of a large number of region's transportation stakeholders. In addition to Transportation System Management, Travel Demand Management, and Freight Operations, Safety and Security has been added as a strategy element to the Plan. Copies of these materials will be available at the meeting. Those wish a copy of the technical draft document, may request one at the meeting. With the help of a guidance and review group, work will continue on finalizing the Specific Plan by early 2007 as a companion to the 2030 Plan Update and ultimately as a basis for project implementation decision making in NE Illinois.

Task Force Action: Review, comment and accept recommendation of the Working Group to include Safety and Security as the forth element of the plan.

Comments: Please direct any questions or comments to Jose Rodriguez at 312/386-8806.

IV Value Pricing Project Tom Vick, CMAP

CMAP and the Illinois State Toll Highway Administration have received informal notice from the FHWA, that the region will receive a \$750,000. (Federal) grant to determine a network of traffic bottleneck bypass and determine value pricing can be used to construct and operate the by passes. A copy of the application will be provided at the meeting.

#### New Business

I CMAP Program

Staff will provide the Task Force with the CMAP Boards visioning statement.

II Other new items from the Task Force.

#### Status Reports

##### Reports

Truck way Network Analysis

T. Vick

Ramp HOV IGA with UIC

T. Vick

##### No Reports

Annual PAQB Report

Major Incident Module of RM 21

TAMP Module development

Next Meeting Date & Time – January 18, 2007 @ 10:00 AM

IV Adjournment

12:00 Noon

