

CHATTANOOGA-HAMILTON COUNTY/NORTH GEORGIA
 TRANSPORTATION PLANNING ORGANIZATION
 (CHCNGA TPO)



DEVELOPMENT RESOURCE CENTER
 1250 MARKET STREET
 SUITE 2000
 CHATTANOOGA, TN 37402

MINUTES

JANUARY 7, 2014 10:30 A.M.

MEETING CALLED BY	Chairman John Bridger
TYPE OF MEETING	TECHNICAL COORDINATING COMMITTEE (TCC)
FACILITATOR	MS. KAREN RENNICH, REGIONAL PLANNING AGENCY (RPA)
NOTE TAKER	MS. ROZANNE BROWN, RPA
QUORUM	N/A
ATTENDEES	See Attachment

ANNOUNCEMENTS	
PUBLIC COMMENTS	
OTHER ITEMS OF IMPORTANCE	Handouts: Draft 2040 Regional Transportation Plan; Draft Conformity Determination Report for the 2040 Regional Transportation Plan; The Transportation Planning Process Key Issues (A Briefing Book for Transportation Decisionmakers, Officials, and Staff with Moving Ahead for Progress in the 21 st Century Act [MAP-21] A Summary of Highway Provisions); Sample TPO Executive Board Designee Letter; Limited English Proficiency (LEP) and RPA TITLE VI Packet; Design of At-Grade Intersections (February 25, 2014), Highway Safety Analysis (January 23, 2014), Work Zone Traffic Control/Flagging (January-April 2014), Flagger/Highway Safety (January-April 2014), and 2014 TPO TCC & Executive Board Meeting Calendar.

Agenda Topics

**ITEM #1. APPROVAL OF DECEMBER 17, 2013 COMBINED TPO
 TECHNICAL COORDINATING COMMITTEE (TCC) AND
 TPO EXECUTIVE BOARD MEETING**

CHAIRMAN JOHN BRIDGER

DISCUSSION		
Chairman John Bridger called the meeting to order, asked for questions/comments regarding Item #1, and entertained a motion to approve as presented.		
CONCLUSIONS		
There being no questions/comments, a motion was made to approve as presented, seconded and the motion carried.		
TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
APPROVAL OF DECEMBER 17, 2013 COMBINED TPO TECHNICAL COORDINATING COMMITTEE (TCC) AND TPO EXECUTIVE BOARD MEETING	Mr. Joe Farrow City of Collegedale	Ms. Annie Powell Chattanooga Area Regional Transportation Authority (CARTA)
STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE

**ITEM #2. RECOMMENDATION TO APPROVE BY
RESOLUTION THE 2040 REGIONAL TRANSPORTATION PLAN**

**MS. MELISSA TAYLOR
RPA STAFF**

DISCUSSION		
<p>Ms. Melissa Taylor said that the draft 2040 Regional Transportation Plan was completed in December, 2013 and a presentation given to the TPO TCC and Executive Board. Since there were no issues or outstanding items that came from that meeting (December 17, 2013), the TPO Executive Board is being asked to approve the plan today to then be submitted to the federal partners, who will have 30 days for final review and approval of the Air Quality Conformity Determination Report with all of the plan projects affecting air quality in some way (approval due by March 5, 2014).</p>		
CONCLUSIONS		
<p>Chairman John Bridger thanked the TPO Staff and all TPO Members for their work in development this plan which included a lot off new efforts including an exhaustive public process throughout the region. He said that the plan points to some of the new realities being faced regarding transportation, including diminished transportation funding sources and allocations. Chairman Bridger said that this is a great document. It will be used to help guide the next phase of efforts for the PLACES Initiative that sets the framework for moving people, automobiles and goods in a responsible manner. He thanked everyone involved in making the document a reality.</p> <p>Since there were no other questions/comments, Chairman Bridger entertained a motion for approval, and a motion was made to Approve by Resolution the 2040 Regional Transportation Plan.</p>		
TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
RECOMMENDATION TO APPROVE BY RESOLUTION THE 2040 REGIONAL TRANSPORTATION PLAN	Mr. Bert Kuyrkendall City of Chattanooga	Ms. Annie Powell
STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE

**ITEM #3. RECOMMENDATION TO APPROVE BY RESOLUTION
THE CONFORMITY DETERMINATION REPORT FOR THE
2040 REGIONAL TRANSPORTATION PLAN**

**MS. BETSY EVANS
RPA STAFF**

DISCUSSION		
<p>Ms. Betsy Evans said that the TPO TCC and Executive Board endorsed the list of projects for the 2040 Regional Transportation Plan in May 2013. A draft was presented to the Interagency Air Quality Consultation Committee (IAC) on September 5, 2013 for their official review, and IAC comments were received by November 12, 2013. The TPO TCC is being asked to recommend the 2040 RTP CDR for approval, which is going before the TPO Executive Board (also January 7, 2014) for action. A 30-day public comment period was opened October 21, 2013 and a public hearing was held on December 2, 2013. IAC concurred on this report on November 12, 2013. Ms. Evans inquired whether or not there were questions or comments.</p> <p>Chairman Bridger said that he again wished to thank everyone including the IAC Members for their efforts in the preparation of this report.</p>		
CONCLUSIONS		
<p>There being no further questions/comments, a motion was made to approve as presented, second, and the motion carried.</p>		
TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
RECOMMENDATION TO APPROVE BY RESOLUTION THE CONFORMITY DETERMINATION REPORT FOR THE 2040 REGIONAL TRANSPORTATION PLAN	Ms. Annie Powell	Mr. Joe Farrow
STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE

ITEM #4. APPROVE FOR PUBLIC COMMENT AND RECOMMENDATION TO APPROVE BY RESOLUTION AN AMENDMENT TO THE 2014-2017 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) FOR TRANSPORTATION ALTERNATIVES PROGRAM SELECTED PROJECTS (GEORGIA PORTION) (COUNTYWIDE SCHOOL PEDESTRIAN FACILITIES IMPROVEMENTS [CATOOSA COUNTY] AND NORTH GEORGIA BICYCLE/PEDESTRIAN PROJECTS GROUPING)

**MS. JENNY PARK
RPA STAFF**

DISCUSSION		
<p>Ms. Jenny Park said that the TPO did not receive any submittals for projects which were eligible for the Transportation Alternatives Program (Georgia Portion) during the call for projects for the 2014-2017 TIP. Therefore, those funds remain un-programmed in the adopted 2014-2017 TIP, and a call for projects (open November 1-22, 2013) has been held for the Georgia Portion specifically for TA funds (typically bicycle/pedestrian type activities). One submittal was received for Countywide School Pedestrian Facilities Improvements from Catoosa County, and TIP pages were created (included in the meeting packet) to amend the 2014-2017 TIP and include the project. All additional funds (not used by the Catoosa County project) were placed into a North Georgia Bicycle/Pedestrian Projects Grouping for later use as the need arises by the Georgia jurisdictions. Since only one submittal was received during the call for projects, a selection process was not held. Upon approval by the TPO Executive Board, the TIP would be amended to include the Catoosa County project and the North Georgia Bicycle/Pedestrian Projects Grouping. The TCC is being asked today to approve for public comment and recommendation to approve by resolution an amendment to the 2014-2017 TIP.</p>		
CONCLUSIONS		
<p>Chairman Bridger called for questions or comments, and there being none, entertained a motion to approve as presented. A motion was made to approve as presented, seconded and the motion carried.</p>		
TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
<p>APPROVE FOR PUBLIC COMMENT AND RECOMMENDATION TO APPROVE BY RESOLUTION AN AMENDMENT TO THE 2014-2017 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) FOR TRANSPORTATION ALTERNATIVES PROGRAM SELECTED PROJECTS (GEORGIA PORTION) (Countywide School Pedestrian Facilities Improvements [Catoosa County] and North Georgia Bicycle/Pedestrian Projects Grouping)</p>	<p>Mr. Phil Pugliese Bicycle Coordinator</p>	<p>Mr. Bert Kuyrkendall</p>
STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE

**ITEM #5. REVIEW DRAFT AND OPEN PUBLIC COMMENT FOR
THE INTELLIGENT TRANSPORTATION SYSTEM (ITS)
ARCHITECTURE AND DEPLOYMENT PLAN**

**MS. YUEN LEE
RPA STAFF
MR. TOM FOWLER, KIMLEY-HORN AND
ASSOCIATES, INC.**

DISCUSSION

Ms. Lee said that the ITS Architecture and Deployment Plan was last updated in June 2010, and at that time, it was agreed that the plan would be updated every four years (Spring 2014). Ms. Lee introduced Mr. Tom Fowler whose firm has been contracted to manage the project. Mr. Fowler gave a brief overview of the draft plan and the process used to develop the plan. He said that the goal is to have the plan update in place before the deadline of June 2014. This is a long range plan for looking at how intelligent transportation systems are being deployed throughout the region and how they are being operated.

Intelligent Transportation Systems is a term developed and used by Federal Highway, describing the electronic data portion of the transportation system (traffic signals, detection systems, cameras, dynamic message signs/SmartWay System, ability to track transit vehicles, real-time conditions about travel ways, and anything dealing with electronic data). The architecture is a plan about how all of the pieces fit together and, in particular, what kind of data is shared among agencies when the need arises, in order to best fit the data together and improve efficiency. In the architecture, every region has transportation issues, needs and problems which are matched up with a suite of different types of available ITS solutions and technologies to address some of those specific needs in this region.

The Deployment Plan identifies specific projects that might be deployed throughout the region. The TPO is required by Federal Highway to document efforts in Turbo Architecture Database software, and there is a project website.

Benefits of the plan include the development of a vision for how ITS can be deployed in the region to ensure that all of the pieces fit together, that resources are not overlapping, resources are being shared, and it supports an integrated and interoperable system across jurisdictions and technologies (based on standards). Also, in order to receive federal funds for ITS projects, the Federal Highway Administration requires that a region has an updated plan, that the region has worked together (and documented) how all of these pieces fit together, and tried to adhere to the plan as far as possible with any changes documented and agreed.

Two stakeholder workshops were held at the Development Resource Center with agencies from throughout the area (Federal, State, Regional, County and Municipal agencies, traffic, transit agencies, emergency management and public safety agencies, and towing industry representatives). In addition, nine individual stakeholder interviews were conducted with those stakeholders who are planning ITS work in the near future to further discuss details.

Key Steps:

- Staff looked at the current Intelligent Transportation Systems in the region (TDOT Smart-Way System, Advanced Traffic Management System/adding cameras/incident management [City of Chattanooga], Next Bus Arrival and transit vehicle tracking capabilities [CARTA]).
- Identified needs in the region and discussed how ITS might address those needs.
- Developed Service Packages to address needs (based on 97 different National ITS Architecture services as defined by USDOT as possibilities for deployment within the region – some not applicable on regional basis). Stakeholders said that they were interested in looking at 42 different services in more detail (many of which are already being deployed). The 42 different services were then categorized by High, Medium, Low priority.
- The agencies to be involved and information that would need to be shared were then identified, and the Deployment Plan was developed (set of ITS projects identified as desired within the region [short term within five years, mid-term within five to ten years, and long term within 10 years]).
- Staff then looked at the responsible agencies who might be involved, the opinion of probable cost, and whether or not there is available funding. This plan is not fiscally constrained. It is simply a captured unranked list of projects, permitting this plan to look at all projects without initial consideration for what should be funded (but perhaps helping to merit federal funding since the projects are documented).
- Some possible types of TDOT projects include: (1) the need to continue deploying SmartWay technology at specific locations, (2) variable speed limits, and (3) improved coordination with the State of Georgia about travel conditions and road closures (either on the Tennessee or Georgia side) in order to provide better information to the public.
- Possible GDOT projects identified were: (1) adding more cameras at interchanges, (2) need to add dynamic message signs near the I-24 / I-59 interchange (Georgia side).
- Many other identified needs were reviewed in detail: (1) Municipal: continue traffic signal system upgrades for better efficiency and to improve management, the addition of cameras and dynamic message signs on arterials to do a

better job when there is an incident/closure on the freeway, flood detection, railroad grade crossings, advanced notification system / preemption for traffic signals to assist Fire Departments to get through intersections more efficiently and safely; (2) Transit: SmartCard implementation / next bus arrival signs / adding a real-time trip planner (CARTA is currently working with a Google product), and transit traffic signal priority to help buses move more efficiently through congested areas; and (3) Transportation Data Warehouse (need for the TPO to archive all data).

- While the USDOT requires the updated four-year plan and that projects conform to the plan, should an agency desire to make a change during the four-year period of the plan, USDOT has established a method for doing so by discussion, documentation of the change, and agreement by Regional Stakeholders impacted.
- During the plan process, it has again been agreed that the plan will be updated every four years, in coordination with the Long Range Transportation Plan, and ensure availability to apply for federal ITS project funding.
- A project website is being maintained with the draft plan (currently being reviewed by Stakeholders). The draft will be updated and then reviewed by FHWA and TDOT who will issue a "Ready for Use" letter, and the plan is expected to go before the TPO Executive Board for approval in April 2014 (ahead of the June 2014 deadline).

Chairman Bridger inquired if there were questions or comments. Mr. Bert Kuyrkendall, City of Chattanooga, introduced Mr. Kevin Comstock, new City of Chattanooga Traffic Signal Coordinator and said that he has ITS experience. Mr. Comstock said that he has been working with Mr. Fowler, he has reviewed the documents, and has made some recommendations regarding prioritization of projects, natural disasters (traffic management in general), which will be a part of the update. Responding to an inquiry from Mr. Kuyrkendall, Mr. Fowler said that ITS parking service packages were not discussed by the Stakeholders. However, they are available which focus on providing information about where parking is available real-time (downtown). Mr. Comstock suggested that social media be considered for communication with the public and stated that it would be less expensive and more easily maintained than dynamic message signs. Mr. Kuyrkendall inquired whether or not other multimodal applications specific to bike/ped are available (for counts and perhaps Wayfinding applications). Mr. Fowler said that detection systems are noted in the plan but, within the architecture, the car/bike level of detail is not addressed. Mr. Kuyrkendall suggested details for areas such as the pedestrian Walnut Street Bridge, bike lanes, and other areas for pedestrian only protection would be helpful for keeping track of milestones and for planning for building infrastructure in the future. He said that it is difficult to collect bike/ped volume data and any type of ITS help would be very beneficial. Mr. Fowler said that this is something that can be looked into in more detail and bike/ped data included (not just vehicle detection). Mr. Kuyrkendall inquired whether or not there are applications for bike/ped Wayfinding (applications that would tie those together). Ms. Annie Powell, CARTA, said that the CARTA Trip Planner includes pedestrian but excludes biking. Mr. Phil Pugliese said that there are some solutions available. Ms. Melissa Taylor requested Mr. Fowler to make note of the intent (desire) to connect them all, and Mr. Fowler said that he would do so. He said that he is not aware of any ITS technology specific to cycling, but that he has seen some applications specific to bicycle detection or trail walkers, but can also include the desire to add cyclists to the Trip Planner (not just pedestrians). Since this is still a draft document, Mr. Fowler said that these matters can be addressed.

Chairman Bridger said that this process will be evolving over the next few years, as we continue optimize the use of ITS to manage the transportation systems. He inquired whether or not there were other questions, comments or further discussion.

CONCLUSIONS

There being no further questions/comments, **a motion was made to approve as presented, seconded and the motion carried.**

TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
REVIEW DRAFT AND OPEN PUBLIC COMMENT FOR THE INTELLIGENT TRANSPORTATION SYSTEM (ITS) ARCHITECTURE AND DEPLOYMENT PLAN	Mr. Todd Leamon Hamilton County	Mr. John Van Winkle City of Chattanooga

STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE

CHATTANOOGA-HAMILTON COUNTY/NORTH GEORGIA
 TRANSPORTATION PLANNING ORGANIZATION
 TECHNICAL COORDINATING COMMITTEE (TCC) MEETING

JANUARY 7, 2014 (10:30 a.m. – 12:00 p.m. Eastern – DRC/2B)

**TCC
MEMBERS:**

**PLEASE
"CHECK"
IF
VOTING**

<u>NAME</u>	<u>REPRESENTATION</u>	
Mark Dempsey	East Ridge	✓
Betsy Evans	RPA/TPO	
Joe Boraw	COLLEENDALE	✓
Jenny Park	RPA/TPO	
Kevin Cornstock	City of Chattanooga	
Annie Powell	CARTA	✓
Philip PUBLIZZI	Outdoor chamber	✓
Jeremy Byson	Catoosa County	✓
Loretta Hopper	Town of Signal Mtn.	✓
Karen Rennie	RPA/TPO	
Melissa Taylor	RPA/TPO	
Eddie Church	Whitfield-Catoosa Transportation	
Yuan Lee	RPA/TPO	
Tom Fowler	KIMLEY-HORN AND ASSOC.	

CHATTANOOGA-HAMILTON COUNTY/NORTH GEORGIA
 TRANSPORTATION PLANNING ORGANIZATION
 TECHNICAL COORDINATING COMMITTEE (TCC) MEETING

JANUARY 7, 2014 (10:30 a.m. – 12:00 p.m. Eastern – DRC/2B)

**TCC
MEMBERS:**

**PLEASE
"CHECK"
IF
VOTING**

<u>NAME</u>	<u>REPRESENTATION</u>	
Bea Kuykendall	City of Chattanooga	✓
Brandon Sutton	City of Chattanooga	
TODD LEAMON	HAMILTON COUNTY	✓
John Van Winkle	City of Chattanooga	✓
D. Stacy Morrison	TDOT	✓
Kevin Hermit	TDOT	

DISCUSSION		
<p>Staff reports are discussed selectively, or if there are questions. Status summaries and contact information were included in the meeting packet for the following projects and programs.</p> <ul style="list-style-type: none"> ▪ Data Collection Plan Update ▪ Green Trips Program Update ▪ Flagger/Highway Safety (Chattanooga – January 9, 2014; February-April 2014 – Other Locations) ▪ Highway Safety Analysis (Nashville - January 23, 2014) ▪ Design of At-Grade Intersections (Chattanooga - February 25, 2014) ▪ Work Zone Traffic Control/Flagging (Chattanooga - April 29, 2014; January-April - Other Locations) ▪ 2014 TPO TCC & Executive Board Meeting Calendar 		
CONCLUSIONS		
TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
No Formal Action Required		
STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE

ITEM #7. PUBLIC COMMENTS AND OTHER ITEMS OF IMPORTANCE

DISCUSSION		
<p>The next TPO Executive Board Meeting is January 7, 2014 (1:30-3:00 p.m. Eastern) @ DRC/1A.</p> <p>The next TPO Technical Coordinating Committee (TCC) meeting is March 4, 2014 (1:30-3:00 p.m. Eastern) @ DRC/1A.</p> <p>Chairman Bridger said that he would like to again thank the TPO Staff and TPO Board members for their work during a very busy past year. He welcomed everyone to attend the TPO Executive Board meeting being held at 1:30 p.m. on the same afternoon (January 7, 2014). There being no further questions or comments, the meeting was adjourned by Chairman Bridger.</p>		
CONCLUSIONS		
No Formal Action Required		
TCC/BOARD ACTION/RESOLUTION	PERSON PRESENTED MOTION	PERSON SECONDED MOTION
STAFF FOLLOW-UP	PERSON RESPONSIBLE	DEADLINE