



TECHNICAL COORDINATING COMMITTEE
Minutes of April 19, 2017
10:30 a.m., Greensboro, NC
3rd Floor GDOT Conference Room
Melvin Municipal Office Building

ATTENDANCE

Tyler Meyer	<i>GDOT/MPO</i>	Joe Geigle	<i>FHWA</i>
Craig McKinney	<i>GDOT/MPO</i>	Bill Bruce	<i>Town of Oak Ridge</i>
Daniel Amstutz	<i>GDOT/MPO</i>	Mark Kirstner	<i>PART</i>
Lydia McIntyre	<i>GDOT/MPO</i>	Kyle Laird	<i>PART</i>
Tram Truong	<i>GDOT/MPO</i>	George Linney	<i>GTA</i>
Chris Spencer	<i>GDOT</i>	Carey Barr	<i>AECOM</i>
Hanna Cockburn	<i>GSO Planning Department</i>	Robin Van Valkenburgh	<i>TMD</i>
Michael Abuya	<i>NCDOT TPB</i>	Mike Mills	<i>NCDOT Division 7</i>

Tyler Meyer called the meeting to order at 10:35 am.

Action Items

1. Approve Minutes of March 22, 2017

Mike Abuya moved to approve the minutes of the March 22, 2017 meeting. Bill Bruce seconded the motion. The TCC voted unanimously to approve the minutes of the March 22, 2017 meeting.

2. MTIP Amendment: Pavement Rehabilitation Projects

Tyler Meyer presented on the MTIP Amendment:

- NCDOT Division 7 requests the MPO to amend the MTIP to add construction funding not previously programmed for I-5953 and I-5956, and to accelerate construction funding for I-5852.
- These interstate maintenance projects in the Greensboro MPO include:
 - I-5852: pavement rehabilitation project on I-73 along the Urban Loop from Bryan Boulevard to I-85. This work involves diamond grinding to help maintain the pavement. It is being accelerated from FY 2020 to FY 2017.

Planning for the transportation future

- Mike Mills explained that the section from Bryan Boulevard to I-40 will be done in FY 2017 and the rest will be done later. It is one TIP project but it is separated into A and B sections.
 - I-5953 is pavement rehabilitation for I-785/I-840 from I-85 to US 70, similar to I-5852. Mills noted that this project is also being accelerated. This was the first section of the Urban Loop to be constructed.
 - I-5956 is for pavement rehabilitation on I-40/I-85 from east of Rock Creek Dairy Road to west of University Drive in Alamance County. Mills noted that this will be a full resurfacing project. This project is also being accelerated.
- Craig McKinney inquired if there would be any adjustment to funding based on the new information from Mills. Mills said there would be no change from the existing amounts.
- Joe Geigle suggested changes to the funding source key on the project memo to indicate that a state match is required for the funds. In addition the funds are not a grant. Meyer thanked him for the corrections.

Mark Kirstner moved to recommend the MTIP Amendment: Pavement Rehabilitation Projects to the TAC for approval. Mike Abuya seconded the motion. The TCC voted unanimously to recommend the MTIP Amendment: Pavement Rehabilitation Projects to the TAC for approval.

3. MTIP Amendment: P4.0 Sidewalk Project for Planning and Environmental

Tyler Meyer presented on the MTIP Amendment:

- NCDOT has agreed to an MPO request to program several P4.0 sidewalk project selections for planning and environmental work at this time. This will enable the City of Greensboro to initiate municipal agreements now which will expedite the start of design for these projects.
- Right-of-way and construction funding will be programmed in the FY 2018–2027 TIP for these projects.
- The following projects are included:
 - Holden Road (EB-5876) between Gate City Boulevard to existing sidewalk north of Gate City Boulevard on the west side of Holden Road. This project has already been designed and right-of-way has been acquired, so it will be moved up to FY 2018 for construction funding.
 - Farmington Drive (EB-5877) between Gate City Boulevard and Wintergarden Lane. A design is still needed for this project. Right-of-way is funded in FY 2019 and construction in FY 2020. This is a highly needed project that will connect to GTA services, shopping, and residential areas.
 - Wendover Avenue (EB-5883) from Grecale Street to Church Street and from Summit Avenue to US 29. A design is also needed for this project, to get to right-of-way acquisition in 2019 and construction in 2020. This is also a highly needed project.
- Craig McKinney noted that the Holden Road project still needs a Categorical Exclusion (CE) document filed for it.
- McKinney also noted that the Wendover Avenue project will also fill in some small sidewalk gaps along side streets through the corridor.

Hanna Cockburn moved to recommend the MTIP Amendment: P4.0 Sidewalk Project for Planning and Environmental to the TAC for approval. Mark Kirstner seconded the motion. The TCC voted unanimously to recommend the MTIP Amendment: P4.0 Sidewalk Project for Planning and Environmental to the TAC for approval.

4. MTIP Amendment: B-4960 Judge Adams Road Bridge Replacement

Tyler Meyer presented on the MTIP Amendment:

- This is a bridge replacement project on Judge Adams Road in the vicinity of Rock Creek Park.
- NCDOT needs to delay the schedule for this project by a year in order to complete reviews and environmental permitting.
- Mike Mills noted that NCDOT plans to remove the bridge entirely and put in a service road parallel to I-40/I-85 that would serve the properties that are currently served by the road and bridge. Also although

Judge Adams Road is unpaved, it is a state route and NCDOT must provide access. The road has very little traffic so the bridge is not needed. The property owners that are affected and the Burlington-Graham MPO are in agreement with the construction of the service road. Craig McKinney said that there should not be any action needed by the Greensboro MPO if the bridge is not being replaced. Daniel Amstutz inquired if there needs to be funding in the MTIP for the removal of the bridge. Mills noted that the project does include removing the existing bridge. Meyer recommended that the item be tabled pending further information from NCDOT on the status of the project. Mills said they may come back with a different action item relating to this at the next meeting that would change the scope, and agreed with Meyer's recommendation.

This action item was deferred by Tyler Meyer pending new project information from NCDOT.

5. MTIP Amendment: M-0521 Traffic Forecasting of Miscellaneous Projects

Tyler Meyer presented on the MTIP Amendment:

- NCDOT requests the MPO amend the MTIP to add this project and funding in the FY 2016–2025 TIP for Traffic Forecasting for Miscellaneous Projects to assist in expediting the delivery of STIP projects.
- \$300,000 will be added annually in FY 2017 and FY 2018 for this project.

Mark Kirstner moved to recommend the MTIP Amendment: M-0521 Traffic Forecasting of Miscellaneous Projects to the TAC for approval. Hanna Cockburn seconded the motion. The TCC voted unanimously to recommend the Amendment: M-0521 Traffic Forecasting of Miscellaneous Projects to the TAC for approval.

Business Items

1. Special Presentation: Introducing the Mobility Greensboro 2040 Long Range Transit Plan

Robin Van Valkenburgh, project consultant with Transportation Management and Design (TMD), presented on the Mobility Greensboro 2040 Long Range Transit Plan:

- Two sub-consultants of TMD also working on the project are Service Edge Solutions and Market Solutions.
- Market Solutions has been out doing public involvement and engagement on the plan with students at UNCG and NC A&TSU to get their feedback about needed improvements to the transit system.
- The main purposes of the study are to understand the transit needs of existing and future customers and to update the Mobility Greensboro 2015 plan.
- The outcome will be a sustainable long range vision for GTA that grows ridership and increases efficiency by identifying: untapped markets and service areas; where service can be redirected; what network structure works best; and what new services and technologies can be utilized.
- One of the main concerns heard from the public is the need to grow the bus system as Greensboro continues to grow.
- Short, medium, and long term actions will be identified in this plan.
- The project is expected to take 18 months to complete.
- Analysis of the existing system will be an important part of the plan, including the preferred network type – should it continue to be a hub-and-spoke system?
- The project is divided into two phases: Phase 1 – Visioning Plan (March-December 2017) and Phase 2 – Action Plan (beginning in 2018).
- Key components of the planning process are: outreach to staff, stakeholders, and the public; analysis of marketing strategies and emerging transit technology; identification of future revenue sources; and recommendations for short and long term service strategies.

- TMD is currently surveying existing conditions and doing the service analysis as part of Phase 1.
- The next step will be to develop service plan alternatives (through the summer) and refine and select alternatives towards the end of 2017.
- There will be ongoing stakeholder and public involvement throughout Phase 1.
- The project website is getonboard2040.org and will include project information as well as a survey for the public to take.
- The next steps are to finalize data collection and prepare the Service Performance Evaluation and Needs Analysis draft reports, as well as continuing the outreach process to stakeholders.
- Daniel Amstutz asked if TMD had determined which events they would be at. Van Valkenburgh said they have not determined that because they are still collecting data on existing conditions and want to have more information on hand before doing public events. They plan on coming out to public events towards the end of June and beginning of July. They are doing outreach with the university students now while the semester is still in session so they can get the most student feedback.
- Tram Truong asked if they are reaching out to the other colleges, such as GTCC. Van Valkenburgh noted that they are, and their sub-consultant has reached out to Bennett College to do outreach there, as an example.
- Van Valkenburgh noted the challenges of balancing the needs to different user groups, such as how university students may want different types of service than seniors. He also noted the importance of drawing in non-rider groups to find out what it would take to get them to ride the bus (such as routes, frequency of service, etc.).
- Meyer thanked Van Valkenburgh for his presentation.

2. Draft 2017 Congestion Management Process

Lydia McIntyre presented on the CMP:

- McIntyre explained that this is the fourth iteration of the CMP for the Greensboro MPO.
- The CMP is a required document for all larger MPOs, and while no specific update schedule is required per federal guidelines, it is typically adopted before the start of the next update to the MTP.
- The document is multi-modal and identifies system- and corridor-level congestion, and strategies to mitigate it.
- Performance measures are also included with the document.
- Data has been collected from various sources, including PART, GTA, and the Greensboro Department of Transportation.
- There are certain goals that are federally-set that the CMP must address, such as mobility, sustainability and safety.
- The measures also dictate the types of data that must be collected.
- Travel time data was used instead of the volume to capacity ratio at the recommendation of FHWA.
- A consultant assisted with collecting and analyzing the travel time data, which took a while because there are thousands and thousands of records with these types of data.
- Performance measures and objectives vary from mode to mode but include roadway, pedestrian and bicycle, and transit.
- There are data from 2007 to 2015 that has been used, but it varies between the modes and what data was available at the time.
- Some of the top bottleneck locations are NC 68 at NC 150/Oak Ridge Road, W. Wendover Avenue at I-40, NC 68 at I-40, and US 29 at I-40/Business I-85.
- The PM peak was reviewed for vehicle hours of delay.
- Another roadway metric used was percentage of roads below free flow speeds.

- Other metrics included number of miles of roads resurfaced, GTA ridership, and bicycle and pedestrian crashes.
- The CMP is a tool to help identify possible future projects in the MTP, Prioritization process, the MTIP, or for local bond projects.
- Intermodal Logistics was the consultant used to review and analyze the travel time data.
- The Draft CMP document is under review and a final version is planned to be brought back to the MPO for adoption at the May meeting.
- Mark Kirstner noted that a regional ITS plan has not been completed in more than a decade, and suggested that this be included in a future work plan. Joe Geigle said that NCDOT has housed the regional ITS plans and architecture in the past, but they are moving this to local MPOs. An update to the regional ITS plan is that NCDOT is currently considering. Kirstner noted that ITRE had done the original plan. Hanna Cockburn added that the City's ongoing partnership with Waze could factor into the discussion. McIntyre noted that the MPO is advertising a new staff position that would focus on data collection and analysis that would help staff to organize and interpret all these new data. Geigle said that the travel time data for one road segment for a year is hundreds of thousands of records by itself. Robin Van Valkenburgh suggested reaching out to college students majoring in mathematics for potential recruits.

3. Project Updates

- Craig McKinney said that the Road Project Mapping tool will be updated with additional information and will become more dynamic. Sidewalk projects and potential corridor improvement projects will be added into the tool, with finer-grained information. Tyler Meyer explained that the tool was initially created to provide information about the Urban Loop to the general public, and is a popular feature of the city website.
- McKinney reported several projects recently completed or under construction, with information based on information from the City Engineering & Inspection Department. *(Dates are subject to change)*
 - Battleground/Benjamin/Cone intersection: expected completion this November.
 - Battleground & New Garden intersection: expected completion this October.
 - Cone/Nealtown roadway project has been delayed due to some issues with the landfill but is planned for completion in September.
 - Gate City Boulevard streetscape: construction should be complete in May, after additional pavement and markings are put down.
 - Sidewalk projects for Florida Street, Randleman Road, and Phillips Avenue are complete.
 - Downtown Greenway Phases 2e/3a and 1b1 are expected to be complete in August and June, respectively.
 - The W. Wendover Avenue sidewalk gap in front of the Post Office facility is expected to be completed this summer now that all hurdles to the project have been overcome.
- Mark Kirstner asked if there is a Phase 2 to the Gate City Boulevard streetscape that continues east towards Union Square. Tyler Meyer noted that there is but it the project is not designed or funded. He also added that next month there will be more information about projects that are upcoming.
- Lydia McIntyre noted that the due date for submitting projects to the MPO for Prioritization 5.0 has passed, but she is still working with the City and some of the towns to identify additional projects. Oak Ridge and Sedalia have submitted projects. A few projects can be submitted to NCDOT early to receive a preliminary review and determine if they will be competitive in the process.

4. Strategic Reports

- Tram Truong noted that a Call for Projects for Section 5310 *Enhanced Mobility of Seniors and Persons with Disabilities* funding was published and announced on April 5. May 5 is the project submittal deadline. From May 8 to 10, the projects will be ranked by the MPO and outside reviewers. The TAC will select

the projects for funding at the May 17 MPO meeting. Tyler Meyer noted that the Program of Projects will be drafted and released after this meeting in order to incorporate the Section 5310 funded projects.

- Daniel Amstutz said the Bike Month calendar is still being updated but will be completed soon. Highlighted events for Bike Month include:
 - May 5 – Open Streets (downtown on 200 N. Davie Street)
 - May 7 – Wheels on the Greenway (at Morehead Park and Warnersville Recreation Center)
 - May 10 – Lindley Elementary Bike Rodeo
 - May 13 – Bikes & Brews Pub Roll
 - May 17 – Ride of Silence
 - May 19 – Celebrate New Bikeways Ride
 - May 20 – Bicycling in Greensboro Repair-a-thon
- Lydia McIntyre presented on the Piedmont Triad CommunityViz Guidebook. CommunityViz is a GIS-based software that helps to look at spatial socio-economic data and allows for scenario planning. PART used this software in the past and is the lead on this for the region. Mark Kirstner noted that the kickoff meeting will be May 4. Stakeholder meetings will be held on May 22 and 23. A policymaker briefing will be held June 22, which is targeted at TAC members. The project is moving along quickly and is expected to be completed June 30. Kirstner also noted that they have received funds from NCDOT to hire another modeler who will assist with the implementation of this software.
- Meyer noted that the NCAMPO conference will be April 26-28 in New Bern, NC. Meyer recognized Craig McKinney and Tram Truong for their assistance with the administration of the conference registration and sessions.

Other Items

1. NCDOT Update

Mike Mills noted that the US 220 project could be finished later this year; the interchange with US 158 is open. The I-73 Connector between US 220 and NC 68 could be open the last week of April or first week of May. The remaining section of I-73 from NC 68 to Bryan Boulevard is expected to be open at the end of June. The western Urban Loop from Bryan Boulevard to Battleground Avenue may be open this fall in September or October. The eastern Urban Loop from US 70 to US 29 will also be open this fall in September or October. The contractor is working on the section of the Loop from Battleground Avenue to Lawndale Drive. Right-of-way is being purchased for the last section between Lawndale Drive to US 29, and there is discussion of accelerating this project. Due to roadway changes from the Neelley Road intersection improvement, the contractor is going to be paid by NCDOT to pipe ditches along the road for the residents because they are too deep to maintain. There are several interstate maintenance projects that are underway around the region, on I-40 and I-85. Craig McKinney asked if the interstate work would be done at night. Mills confirmed that this will be night work. Mills noted that this is dangerous work, and recounted a story of an inebriated driver who drove through a work zone recently.

Mills also noted that NCDOT Secretary Trogon is interested in visiting all the MPOs in the state. He asked MPO staff to send him dates of the MPO meetings this year that he can send over to the Secretary's office so they can schedule a time for his visit. Tyler Meyer noted that they would send these dates to Mills.

Mike Abuya noted that TPB has made updates to the GIS layers that they provide. He also noted that the boundary of Kernersville is now protruding into the Greensboro MPO. However, they are still represented by Winston-Salem MPO. This will be something to consider in the future.

2. TCC Member Updates

Hanna Cockburn invited TCC members to the Boulevard Bash on Gate City Boulevard to celebrate the completion of the streetscape project. It will be April 29 from 11 am to 3 pm in the old Fatz parking lot on the southern end of the corridor.

Mark Kirstner invited TCC members to the ribbon cutting for the new Coble Intermodal Passenger Facility on May 17 at 10 am. The grand opening will be July 3. Various changes to PART routes will be made, including removing underperforming rural routes. Alamance County has instituted a vehicle rental tax in order to help pay for transit service. The Alamance County route has gone from 500 people per month to more than 20,000. PART hours will be extended into 9 pm in the evening. Saturday service will be started in the fall for PART Express routes 1, 2, and 3.

3. Wrap-Up

The next TCC meeting will take place April 19 at 10:30 am in the 3rd Floor GDOT Conference Room. The meeting was adjourned by Tyler Meyer at 11:55 am.