

Agency Review (FHWA/EPA/NCDAQ)
Comparison of the draft 09-15 STIPs to the LRTPs
11/29/07 Meeting Minutes

12/4/07 version

Meeting Attendees:

- EPA: Amanetta Wood
- FHWA: Bill Marley, Loretta Barren, Eddie Dancausse Jill Stark
- NC DOT: Dan Thomas, Terry Arellano, Rockne Bryant, Mike Stanley, Atefe Northcutt, Michael Abuya, Linda Dosse, Mike Orr, Andy Bailey, Rick Lakata, Julie Bollinger, Van Argabright, Hemal Shah, Scott Walston, Julie Bollinger, Jonathan Parker, Shannon Ransom, Linh Nguyen, Sarah Smith, Ray McIntyre
- NCDAQ: Heather Hildebrandt
- Winston Salem MPO: Wendy Miller (via phone), Greg Errett (via phone) Fred Haith (via phone)
- High Point MPO: David Hyder
- Greensboro MPO: Lydia McIntyre (via phone)
- Burlington Graham MPO: Mike Nunn (via phone)
- CAMPO: Kenneth Withrow
- DCHC MPO: Ellen Beckman, Andy Henry (via phone)
- MUMPO: Bob Cook, Bob Cook (via phone), Tim Gibbs (via phone), Andy Grzymiski (via phone), Joe McLelland (via phone), Barry Mosley (via phone)
- Gaston MPO: Hank Graham (via phone)
- Cabarrus Rowan MPO: Phil Conrad (via phone)
- Hickory MPO: John Tippet (via phone)
- Rocky Mount MPO: Bob League
- FCEAD: Carey Gentry (via phone)
- TJCOG: John Hodges-Copple
- Rocky River RPO: Dana Stoogenke (via phone)
- Lake Norman RPO: Rebecca Yarbrough (via phone)

FHWA Review Comments:

HICKORY AREA

HICKORY

- No comments

DONUT AREAS

- No comments

METROLINA AREA

MUMPO

- **I-3311** (*Mecklenburg County STIP*) this project is in the 2010 horizon year (HY) in the LRTP and the STIP shows ROW in FFY12 and construction in FFY13+. Will this project be open to traffic by 2010? Also mileage in STIP is 14.4 and in LRTP is 3.03. Please explain.
 - The I-3311 project is divided into five segments. The following segments are now complete: I-3311A (Index #'s 35, 42 and 202) and I-3311D (Index #305). Section D is 3.03 miles long (Index #305) The mileage indicated in the STIP shows the total project length (14.4 miles), which includes Segments A-E. The right-of-way and construction costs in the STIP refer to Segment E (Index #'s 302 and 707) which is anticipated to be complete within the 2020 Horizon Year.
- **I-4733** (*Mecklenburg County STIP*) not in LRTP. Please explain.
 - In 2020 HY in LRTP Index #136 – Const. beyond 2015
- **I-3803** (*Mecklenburg County STIP*) this project is in the 2010 HY (#203) in the LRTP and the STIP shows construction in FFY 11-14. Will this project be open to traffic by 2010?
 - I-3803A (Index #203), which is complete, covered the I-3803 widening in Mecklenburg County. There may be some additional auxiliary lane construction in Mecklenburg County as part of I-3803B, which essentially covers widening I-85 in Cabarrus County
- **R-4902** (*Mecklenburg County STIP*) not in LRTP. Please explain.
 - In 2020 HY #167 C in STIP 2015
- **R-2248** (*Mecklenburg County STIP*) this project is in the 2010 HY in the LRTP and the STIP shows construction in FFY10 and 15+. Will this project be open to traffic by 2010? Also mileage in STIP is 28 and in LRTP 13.84. Please explain.
 - R-2248D project limits are from Oakdale Road to NC 115 (approx.). This project is under construction and will be complete by 2010. Mileage: 6.0
 - R-2248E project limits are from NC 115 to I-85 North. LRTP project listing in the 2010 HY should have included an “F” in the Notes column. The explanation for “F” reads as follows: *Project completely funded by*

2010, but not open to traffic until after 2010 (2020 Horizon Year). LRTP maps depict this project as a 2020 HY project. Mileage: 5.4

- The NCDOT STIP mileage listing is not correct. Based on the project breakdown map, the STIP mileage should be 29.8. As far as the mileage breakdown in the LRTP is the following: Index # 205 is 8.05 (This project is complete), Index #316 is 6.8, Index #207 is 6.0, Index #242 is 5.4 and Index #135 is 3.6. The total LRTP mileage is 29.85.
- **R-2123CE** (*Mecklenburg County STIP*) this project is in the 2010 HY (#280) in the LRTP and the STIP shows construction in FFY 15+. Will this project be open to traffic by 2010?
 - The Notes column for this project in the LRTP includes an “F” indicating that while the project is fully funded by 2010, it will not be open to traffic until the 2020 HY
- **R-2632** (*Mecklenburg County STIP*) this project is in the 2020 HY (#237, 80 & 259) in the LRTP and the STIP shows construction in FFY 08 (advanced from 2012 in the 07-13 STIP). Will this project be open to traffic by 2020?
 - This project will be open to traffic by 2020.
- **R-3329** (*Mecklenburg County STIP*) not in LRTP. Please explain.
 - In 2020 HY Index # 271
- **U-3850** (*Mecklenburg County STIP*) not in LRTP. Please explain.
 - In 2020 HY Index #34
- **U-2507** (*Mecklenburg County STIP*) the project description in the STIP and LRTP (2010 HY #217) are different. Also mileage in STIP is 4.1 and in LRTP is 2.39. Please explain.
 - U-2507B, from WT Harris Blvd to Mallard Creek Church Road is complete.
 - U-2507A, from Sugar Creek Road to WT Harris Blvd is 2.39 miles and was moved to the 2020 HY when MUMPO amended the LRTP in May 2007.
- **U-5008** (*Mecklenburg County STIP*) not in LRTP. Please explain.
 - Rail safety project, not regionally significant
- **U-0209B** (*Mecklenburg County STIP*) this project is in the 2010 HY (#213, 126 & 124) in the LRTP and the STIP shows construction in FFY 11-15+. Will this project be open to traffic by 2010?
 - The Notes column for Index #126 and Index #124 in the LRTP includes an “F” indicating that while the project is fully funded by 2010, it will not be open to traffic until the 2020 HY. Index #213 is complete.

- **U-4713** (*Mecklenburg County STIP*) not in LRTP. Please explain.
 - In 2020 HY Index # 172
- **R-3329** (*Union County STIP*) not in LRTP. Please explain.
 - In 2020 HY Index #271 – Monroe Connector project

CABARRUS ROWAN

- **I-2304** (*Rowan County STIP*) this project is in the 2010 HY in the LRTP and the STIP shows construction in FY 9-13. Will this project be open to traffic by 2010?
 - The project is in the 2020 HY in the amended LRTP that was completed on 10/1/05. It will be excluded from the FHWA STIP finding because funding is shown as “Other” in the first two years of the STIP.
- **R-2911** (*Rowan County STIP*) mileage in STIP is 19.7 and in LRTP is 16.58. Please explain.
 - Part of this project is in Iredell County. The 16.8 miles is in Rowan County.
- **R-2533** (*Cabarrus County STIP*) this project is in the 2010 HY in the LRTP and the STIP shows construction in FY 10-12. Will this project be open to traffic by 2010? Also mileage in STIP is 29.3 and in LRTP is 11.6. Please explain.
 - Part of this project is in Stanley County. The 11.6 miles is in Cabarrus County.
 - The portion of the project in the Cabarrus Rowan MPO will be open to traffic by 2010
- **R-2246** (*Cabarrus County STIP*) mileage in STIP is 6.5 and in LRTP is 7.74. Please explain.
 - 1.24 miles of the project is open to traffic. When added to the 6.5 miles in the STIP it equals the 7.74 in the LRTP.
- **U-4910** (*Cabarrus County STIP*) not in LRTP. Please explain.
 - This is Derita Rd. new STIP # from 07/13 STIP. In 2030 HY
- **U-3440** (*Cabarrus County STIP*) not in LRTP. Please explain.
 - In 2030 HY street name changed (NC 3) - Construction is beyond STIP.

GASTON

- **U-3405** (*Gaston County STIP*) mileage in STIP is 1.4 and in LRTP is 0. Please explain.
 - It is in the Gaston LRTP on page 121 as 1.4 miles.

DONUT AREAS

- Lincoln
 - **W-4712** (*Lincoln County STIP*) what does “Provide a continuous left turn lane mean?”
 - This project is ok for conformity purposes

- Gaston
 - No comment
- Iredell
 - No comments
- Union
 - **U-3467** (*Union County STIP*) mileage in 07-13 STIP is 1.4 and in 09-15 STIP is 3.8. Please explain.
 - This project is beyond the life of the 09-15 STIP

TRIAD AREA

GREENSBORO

- **R-0609** (*Guilford County STIP*) not in LRTP. Please explain.
 - This project is in the High Point MPO
- **U-2524** (*Guilford County STIP*) mileage in STIP is 15.0 and in LRTP is 5.3. Please explain.
 - The 5.3 miles is what is left to be completed. Will show in the LRTP the total miles and how many miles of total miles this project will be.
- **U-3615** (*Guilford County STIP*) not in LRTP. Please explain.
 - This project is in the High Point MPO
- **General Question:** Why do some projects in the LRTP show up in more than one horizon year?
 - The LRTP shows the project phases and when the different phases will be open to traffic

BURLINGTON-GRAHAM

- No comments

HIGH POINT

- **I-2304** (*Davidson County STIP*) not in LRTP. Please explain.
 - This project is outside the High Point MPO's urban area boundary.
- **R-4750** (*Davidson County STIP*) not in LRTP. Please explain.
 - This project is outside the High Point MPO's urban area boundary.
- **U-2545** (*Davidson County STIP*) not in LRTP. Please explain.
 - This project is outside the High Point MPO's urban area boundary.
- **R-0609** (*Guilford County STIP*) mileage in STIP is 12.9. What is the mileage in the LRTP?
 - High Point's LRTP shows a project mileage of approximately 6.7 miles. NCDOT's practice is to include the entire project length of a project in the STIP for the lifetime of the project. The MPO's practice is to account only for un-completed project lengths in the LRTP. Approximately ½ of

the project has been completed at this time with the remainder of the project under construction at this time.

- ❑ **U-2412** (*Guilford County STIP*) mileage in STIP is 7.8. What is the mileage in the LRTP?
 - The LRTP shows a project length of approximately 7.9 miles. Given that different people estimated the lengths at different times we believe that this difference is reasonable.

WINSTON SALEM

- ❑ **R-0609** (*Forsyth County STIP*) not in LRTP. Please explain.
 - This project is completed in Forsyth County
- ❑ **R-4750** (*Forsyth County STIP*) not in LRTP. Please explain.
 - This project has been moved to the exempt project list
- ❑ **U-2800** (*Forsyth County STIP*) mileage in STIP is 1.9 and in LRTP is 0.4. Please explain.
 - The mileage in the LRTP will be adjusted to reflect the STIP mileage. It will be in the 2025 HY.
- ❑ **U-2579** (*Forsyth County STIP*) mileage in STIP is 17.1 and in LRTP is 12.6. Please explain.
 - The mileage in the LRTP will be adjusted to reflect the STIP mileage.

DONUT AREAS

- ❑ Davidson
 - No comments
- ❑ Davie
 - No comments

TRIANGLE AREA

DCHC

- ❑ **R-2000** (*Durham County STIP*) mileage in STIP is 29 and in LRTP is 0.69. Please explain.
 - The R-2000 mileage in the STIP (29 miles) is for the entire length of the project, while the mileage in the Amended 2030 LRTP (.0.69) is for the portion of the R-2000 project that is in the DCHC MPO planning area (i.e., Durham County).

BG

- ❑ No comments

CAMPO

- ❑ **R-2814** (*Franklin County STIP*) mileage in STIP is 18.5 and in LRTP is 8.29. Please explain.

- The 8.29 miles represents projects in the 2030 LRTP (From Ligon Mill Road to Franklin County) that were within the Capital Area MPO jurisdiction at that time. Franklin County at the time of the 2030 LRTP completion was not a member of the Capital Area MPO
- **I-4745** (*Johnston County STIP*) not in LRTP. Please explain.
 - Johnston County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.
- **U-3334** (*Johnston County STIP*) not in LRTP. Please explain.
 - Johnston County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.
- **R-2000** (*Wake County STIP*) mileage in STIP is 29 and in LRTP is 11. Please explain.
 - The CAMPO LRTP does not list completed projects. The LRTP has project F1a that corresponds to sections F and G of R-2000. Project F4a corresponds to sections AA, AB, and AC of R-2000. As this date, sections F and G of R-2000 are open to traffic.
- **R-2809** (*Wake County STIP*) mileage in STIP is 4.7 and in LRTP is 1.39. Please explain.
 - The draft STIP description includes the length of the whole project (Wake Forest Bypass). As of the completion of the 2030 LRTP, 3.31 miles of the project had been completed. The 1.39 miles of project in the LRTP were not under construction.
- **U-5024** (*Wake County STIP*) not in LRTP. Please explain.
 - Project U-5024 (Green Oaks Parkway in Holly Springs) is an economic development project that is partially being funded using economic development funds from the State of North Carolina. This project is not regionally significant and no Federal funds will be used.
- **U-4901** (*Wake County STIP*) not in LRTP. Please explain.
 - In 2020 HY as segments A12 and A13b
- **R-2257** (*Granville County STIP*) not in LRTP. Please explain.
 - Granville County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.

DONUT AREAS

- Chatham
 - No comments
- Franklin
 - No comments

- ❑ Granville
 - No comments
- ❑ Johnston
 - No comments
- ❑ Orange
 - No comments
- ❑ Person
 - No comment

ROCKY MOUNT AREA

ROCKY MOUNT

- ❑ **U-3826** (*Edgecombe County STIP*) not in LRTP. Please explain.
 - This project is outside of the MPO area
- ❑ **U-3621** (*Nash County STIP*) this project is in the 2010 HY in the LRTP and the STIP shows construction in FY 11-12. Will this project be open to traffic by 2010?
 - This project is not delayed. It will open in 2010. Will investigate funding being accelerated in the STIP.
- ❑ **U-4019** (*Nash County STIP*) this project is in the 2010 HY in the LRTP and the STIP shows construction in FY 11-12. Will this project be open to traffic by 2010?
 - This project is not delayed. It will open in 2010. Will investigate funding being accelerated in the STIP.

DONUT AREAS

- ❑ No comments

Division of Air Quality Comments on the 2009-2015 STIPs

Hickory Area

Greater Hickory Urban Area MPO

- I could not find **U-2414**, Tate Blvd Ext, in the TIP. Is it now open?
 - This project is open to traffic

Metrolina Area

MUMPO

- I could not find **U-2512A**, NC 49 (Tryon St/ York St) in the TIP.
 - This project has been completed.
- When will the segments of **R-2248** programmed in the 2010 HY be open to traffic? The TIP has construction on several sections past 2010.
 - R-2248 is complete from I-77 to NC 16 (Index #'s 205, 316,207 and 135).
 - R-2248D project limits are from Oakdale Road to NC 115 (approx.). This project is under construction and will be complete by 2010. Mileage: 6.0
 - R-2248E project limits are from NC 115 to I-85 North. LRTP project listing in the 2010 HY should have included an "F" in the Notes column. The explanation for "F" reads as follows: *Project completely funded by 2010, but not open to traffic until after 2010 (2020 Horizon Year)*. LRTP maps depict this project as a 2020 HY project. Mileage: 5.4
- I could not find **R-2632**, NC 73, in the plan.
 - This project is in the 2020 HY (#237, 80 & 259) in the LRTP
- Part A of **R-2420**, City Blvd Ext, is in the 2010 HY. The TIP shows construction as unfunded.
 - R-2420 is in both the 2010 HY (Index #74) and in the 2020 HY (Index #75)
- Will **U-4401**, Reedy Creek Road, be open by December 31, 2010?
 - This project will be open by December 31, 2010

GUAMPO

- No comments.

CRMPO

- **R-2246**, Westside Bypass is programmed for the 2010 HY but construction is post 2010.
 - This piece of this project that is in the 2010 HY is completed.

Donuts

- No comments for Union County.
- No comments for Lincoln County.
- No comments for Union County.

- Iredell
 - When was **R-2911**, US 70, modeled? Construction has slipped to FY 2010.
 - This project is not in the nonattainment area.
 - When was **R-3833**, Brawley School Road, modeled? Construction is now slated for FY 8-11.
 - There are two parts to this project the first is modeled in HY2010 (*From end of project to I-77 (5.03 miles); existing 2 lanes to 4 lanes*) and the second part is modeled in HY 2020 (*From I-77 to US 21 (0.9 miles); existing 2 lanes to 4 lanes*)

Rocky Mount Area

Rocky Mount Urban Area MPO

- I could not find **U-3328**, Raleigh Street, in the TIP.
 - This project is complete
- The following projects are in the 2010 Horizon Year, however construction is scheduled for 2010 or later:
 - **U-3331**, Country Club Road- construction in 2010.
 - This project will be open to traffic by 2010. Also this project is not regionally significant.
 - **U-4019**, North Winstead Avenue- construction in 2012.
 - This project is not delayed. It will open in 2010. Will investigate funding being accelerated in the STIP
 - **U-3621**, Hunter Hill Road- construction in 2012.
 - This project is not delayed. It will open in 2010. Will investigate funding being accelerated in the STIP

Donuts

- No comments for Nash Donut.
- When was **U-3826** modeled? Construction has slipped from FY 09 to FY 11. The project is actually scheduled in FY 2010 rather than 2011 which was mentioned at the meeting. The project was delayed in the TIP from FY 2009 to FY 2010 due to funding issues. We have investigated and will be moving this back to FY 2009 which would allow funding for construction to be available in October 2008. We anticipate this project to be complete and open to traffic prior to December 31st, 2010.

Triangle Area

CAMPO

- I could not find the following projects in the TIP:
 - **U-2908**, NC 54
 - This project was constructed and completed by the Town of Cary.
 - **U-4410**, South Loop Road

- This project is partially complete in the LRTP. The portion that should have been in the TIP is complete. That is why it is not included in the TIP.
 - **U-4026**, Davis Drive
 - It is in the TIP under page 5-36.
 - **R-2906**, NC 55
 - This project is complete.
 - **R-2907**, NC 55
 - This project is complete.
 - **U-3344**, Airport Blvd
 - It is in the TIP under page 5-34.
 - **R-2641**, I-540 (Eastern)
 - This project is complete.
 - **U-3101**, US 1- 64
 - This project is complete.
- I could not find **U-5024**, Green Oaks Parkway, or **U-4901**, Falls of the Neuse Road, in the plan.
 - Project U-5024 (Green Oaks Parkway in Holly Springs) is an economic development project that is partially being funded using economic development funds from the State of North Carolina. This project is not regionally significant and no Federal funds will be used.
 - Project U-4901 In 2020 HY as segments A12 and A13b

DCHC

- I could not find the following projects in the TIP:
 - **U-3105**, Garrett Road/ Chapel Hill Road
 - This project is complete
 - **U-2102**, Guess Road
 - This project is complete
 - **U-3853**, Hopson-Page Rd Ext
 - This project is complete
 - **I-2204**, I-40
 - This project is complete
 - **U-2302**, NC 86
 - This project is complete
 - **R-942**, US 15-501
 - This project is complete
 - **U-2808**, Us 70/Miami Blvd/ Mineral
 - This project is complete
 - **U-4410**, Hopson Rd realignment
 - **This project is will be completed in 2008**
- I could not find **I-5104**, I-540/I-40 intersection improvements, in the plan. Construction begins in 2010.

- I-5104 will be folded into project R-2000. It does not impact the way that R-2000 was modeled for conformity.
- I could not find **U-4763B**, Triangle Parkway, in the plan. Is the part shown on the TIP not in Durham County?
 - This project in the amended LRTP (#66)
- Is the part of **U-2831** in the 2009 horizon year of the plan, the part complete?
 - The part of U-2831 in the LRTP is complete

Burlington Graham MPO

- No Comments

Donuts

- No comments for Person County.
- No comments for Orange County.
- No comments for Chatham County.
- No comments for Franklin County.
- No comments for Granville County.
- No comments for Johnston County.

Triad Area

High Point MPO

- **I couldn't find the following projects in the TIPs:**
 - **R-2606ABC**, US 311/ I 74
 - It is listed in the STIP (Randolph County). This outside the nonattainment area.
 - **R-609IB**, US 311/ I 74
 - This project is listed partially in Guilford and in Randolph County. The portion in Guilford is listed as a whole project.
 - **U-2702**, Eden Terrace/ Surret Dr
 - This project is listed in the STIP (Randolph)

Greensboro MPO

- The following projects are listed in the both the 2009 and 2015 Horizon years. Construction is post 2009.
 - **R-2309**, US 220/**R-2611**, West Market Street/**R-2413**, NC 68/ US 220 Connector/**U-2412 B**, High Point Road/**U-4006**, Bridford Parkway Extension/**R-2612A**, US 421/**U-2524AE**, Western Urban Loop/**U-2525B**, Eastern Urban Loop
 - The LRTP shows the project phases and when the different phases will be open to traffic
- According to the TIP, construction on **W-5114**, NC 68, begins in 2010. It is listed in the 2009 Horizon Year.
 - Only ROW will start in 09 and construction in 2015.

- I could not find the following projects in the Plan:
 - **U-4015**, Gallimore Dairy Road
 - It is in the LRTP in 2025
 - **U-2913**, Guilford College Road
 - This project is complete
 - **U-3313**, Groometown Road
 - This project is under construction and will be complete by the end of 2008.
 - **U-3612**, Hilltop Road
 - This project is complete
 - **U-4017**, Piedmont Parkway
 - This project is in the High Point MPO
 - **U-2717**, Kivett Drive
 - This project is in the High Point MPO

Winston-Salem MPO

- I could not find **U-3837**, Hanes Mall Blvd, in the plan
 - This project is open to traffic.

Donuts

- No comments for Davie County
- When was **I-2304** in Davidson County modeled? It was previously unfunded and now has construction in FY 2013.
 - This project will be excluded from the FHWA STIP finding because funding is shown as other (0) in the first two years of the STIP.

EPA Comments for 09-15 TIP

Overall Comments

- Provide more description in future to determine if bridge projects are exempt or not. Any change for capacity would make the project nonexempt. For future descriptions, please provide existing and proposed lanes and the length for the bridge projects.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
 - In NC Federal Bridge Replacement does not allow for increased capacity. For additional capacity it will have a different project number associated with it.
- Recommend complete listing of exempt projects and enough information for IAC to make a determination on whether this project is truly exempt per the transportation conformity rule. In the exempt listing it would be helpful for the projects to be categorized as exempt per 93.126, 93.127 or 93.128 of the transportation conformity rule.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- For multi-county projects it is going to be even more important when subarea budgets are available to account for the portion of the project in a particular county in that particular county's regional emissions. This will mean that more detail on what the terminus for the projects are based on the county and not the entire project.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- Our recommendation for donut county projects in the future will be to have a listing of projects in the donut area that were considered in the regional emissions analysis for the LRTP adoptions so that subsequently we can compare these projects for future conformity determinations. For projects in LRTP it is easier to find the legacy listing.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- For donut areas it is highly recommend an addendum table which provides complete project description (i.e., number of existing versus proposed lanes; terminus; whether the project is exempt; whether the project is regionally significant; and year for which the projects were considered open-to-traffic for the purpose of the regional emissions analysis.

- EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.

HICKORY AREA

CATAWBA

- Please explain difference between project descriptions for **U-2307** in the TIP versus the LRTP. The TIP indicates that the project has a mileage of 6.6 miles whereas the LRTP indicates that the project has a mileage of 3.4 miles. Which is reflected in the regional emissions analysis?
 - The first section of this project is completed (3.2 miles). The other section is scheduled to be built (3.4 miles)

METROLINA AREA

CABARRUS

- It is difficult to determine from the project description which part of the projects in the multi-county project areas were considered for Cabarrus County analysis. This is not critical for this analysis (although Anson County and Stanly County emissions should not be considered because this county is not a part of this nonattainment area); however, this will be critical for conformity determinations when the county-level subarea budgets come into play. The separate addendum table could provide this information for the reviewer.
 - CR MPO will try to accommodate with some clarification in the LRTP. This cannot be done in the STIP but could be done in the TIP. Also some of these issues can be addressed during the TIP IC meeting.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- Please confirm that 5.6 miles of this project (the difference between the mileage in the LRTP and the TIP) are in Mecklenburg County.
 - Need the project number from EPA before it can be answered.
- For project **R-2533**, there is funding beyond 2010, will this project be opened by this year. It appears that this project was included in the 2010 network so our assumption is that this project was included in the regional emissions analysis to be scheduled to open by that date.
 - Part of this project is in Stanley County. The 11.6 miles is in Cabarrus County.
 - The portion of the project in the Cabarrus Rowan MPO will be open to traffic by 2010
- Could not find **SIP-4722** in either TIP? Please help identify as this is in the 2010 network from the LRTP.
 - This is an intersection project that is completed. This project is also not regionally significant.

ROWAN

- It is difficult to determine from the project description which part of the projects in the multi-county project areas were considered for Rowan County analysis. This is not critical for this analysis (although Stanly County emissions should not be considered because this county is not a part of this nonattainment area); however, this will be critical for conformity determinations when the county-level subarea budgets come into play. The separate addendum table could provide this information for the reviewer.
 - CR MPO will try to accommodate with some clarification in the LRTP. This cannot be done in the STIP but could be done in the TIP. Also some of these issues can be addressed during the TIP IC meeting.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- For **I-2304**, construction funds are indicated after 2010 (the analysis year for the regional emissions analysis for this project). It is hard to determine whether the Rowan County portion of this project will be completed by this year. If not, this project may be crossing an analysis year. Is there a typo for the analysis year in the amendment table for this project or is the Rowan portion going to be complete by 2010?
 - The project is in the 2020 HY in the amended LRTP that was completed on 10/1/05. It will be excluded from the FHWA STIP finding because funding is shown as other in the first two years of the STIP.
- Could not find **SIP-4722** in either TIP? Please help identify as this is in the 2010 network from the LRTP.
 - This is an intersection project that is completed. This project is also not regionally significant.

GASTON

- Did not notice **I-5007** in the LRTP. Is this because it is considered exempt? An exempt list with project listing and description would help the IAC make an independent determination that the projects are exempt.
 - It is in the LRTP on page 124. It is exempt. It is a pavement rehabilitation project
- For future project description for **R-0617** please provide number of existing versus future lanes, length of project and project terminus. Also, need exempt/non exempt status for project.
 - This project was modeled in the 2020 HY - Section "C" From US 321 to US 321 Bypass (1.36 miles - total project length 10.6 miles); 4 lanes on new location. This is a non-exempt project regionally significant project.
- For project **R-2608**, please explain why the TIP has the project listed as 7.5 miles where as the LRTP has it listed as 8.5 miles. Is 7.5 miles or 8.5 miles modeled for the regional emissions analysis?
 - This project was modeled in the Year 2030 - From US 321 to I-85 (7.1 miles modeled); 4 lanes on new location. There is no funding for this

- project in the TIP for years 09, 10, 11, or 12. There are no conformity implications with this project
- Could not find **U-5103** in the LRTP; please explain.
 - New project, completed feasibility study, and is an unfunded project beyond the life of the STIP
- Please explain difference between project descriptions for **U-3608** in the TIP versus the LRTP. The TIP indicates that the project will be widened to 5 lanes whereas the LRTP indicates that the project will be widened from 2 to 4 lanes. Which is reflected in the regional emissions analysis?
 - The 5th lane is a turn lane. No conformity implications
- For project **U-4915** there is no cost indicated in the outer years but construction cost is indicated in FY2008. Will this project be completed prior to 2020? The amendment dated 03/29/07 indicates that this project will not be modeled until the 2020 analysis year. If the project is open earlier it is possible that it is crossing an analysis year.
 - This project is completed. The project is not regionally significant. No conformity implications
- Please explain differences between **U-2523** in the TIP versus the LRTP. In the TIP there is a different project description and length versus that in the LRTP. Which is reflected in the regional emissions analysis?
 - A portion of U-2523 is complete. Total project length in the LRTP is what still needs to be widened. The remainder of the project is completed.

MECKLENBURG

- It is difficult to determine from the project description which part of the projects in the multi-county project areas were considered for Mecklenburg County analysis. This is not critical for this analysis (although Anson County, Richmond County and Stanly County emissions should not be considered because this county is not a part of this nonattainment area); however, this will be critical for conformity determinations when the county-level subarea budgets come into play. The separate addendum table could provide this information for the reviewer.
 - This will need to be incorporated in future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- For project **R-2248** please clarify what phase of the project is included in the TIP. The LRTP indicates that R-2248BB/C; R-2248D and R-2248F are to be implemented by the 2010 network year. It is unclear what portion of this project is included in the TIP.
 - R-2248D project limits are from Oakdale Road to NC 115 (approx.). This project is under construction and will be complete by 2010. Mileage: 6.0
 - R-2248E project limits are from NC 115 to I-85 North. LRTP project listing in the 2010 HY should have included an “F” in the Notes column. The explanation for “F” reads as follows: *Project completely funded by 2010, but not open to traffic until after 2010 (2020 Horizon Year)*. LRTP maps depict this project as a 2020 HY project. Mileage: 5.4

- The NCDOT STIP mileage listing is not correct. Based on the project breakdown map, the STIP mileage should be 29.8. As far as the mileage breakdown in the LRTP is the following: Index # 205 is 8.05 (This project is complete), Index #316 is 6.8, Index #207 is 6.0, Index #242 is 5.4 and Index #135 is 3.6. The total LRTP mileage is 29.85.
- Could not locate **U2512A**, **U-3447** or **U-4401** in the TIP.
 - **U-2512A**: This project has been completed.
 - **U-3447**: It is in the TIP on page 10-23.
 - **U-4401**: The project is in the TIP
- Located **R-2420** in the TIP and **R-2420A** in the LRTP, please clarify which portion of this project is in the TIP and whether this project will be implemented as envisioned in the current regional emission analysis.
 - Yes, R-2420 is in both the 2010 HY (Index #74) and in the 2020 HY (Index #75)
- For any project in the TIP that does not have a cross reference TIP number, please provide this. For the Union County review, this appeared to be a comment related to projects that were in the TIP but were not scheduled to be completed until the 2020 or 2030 analysis year.
 - EPA requests that this be done for future project reviews

UNION

- It is difficult to determine from the project description which part of the projects in the multi-county project areas were considered for Union County analysis. This is not critical for this analysis (although Anson County, Richmond County and Stanly County emissions should not be considered because this county is not a part of this nonattainment area); however, this will be critical for conformity determinations when the county-level subarea budgets come into play. The separate addendum table could provide this information for the reviewer.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- Could not find **R-2626** in the original TIP.
 - Project R-2626 does not exist.
- NC TIP ID labels are useful. Please consider extend use of this cross reference to the 2020 and 2030 networks in the LRTP in the future.
 - This will be incorporated in future LRTP updates
- Could not cross-reference the following projects easily from the TIP to the LRTP: **R-4441**, **R-3802**, **R-4413**, **R-3329**, **U-4744**, **U-999C**, **U-2510**, **U-4913**, **U-3809**, **U-2549**, **U-3619**, **U-0213**, **U-4714**, **U-3825**, and **U-3467**. Please provide the cross-reference as an addendum for this conformity determination.
 - R-4441: This project is outside the MPO
 - R-3802: This project is unfunded. See index #'s: 101 and 102
 - R-4413: This is a guardrail project. No conformity implications
 - R-3329: Index # 271 in the 2020 HY
 - U-4744: STP DA funds. No conformity implications

- U-999C: PL Funding Supplement. No conformity implications
- U-2510: This project is completed
- U-2510A: Index # 220
- U-4913: Index # 448
- U-3809: Index #231
- U-2549: Index #s 272 and 273
- U-3619: Index # 268
- U-213: Index # 245
- U-4714: Index #'s 240 & 181
- U-3825: Index # 232
- U-3467: Index # 81

DONUT AREAS

LINCOLN

- It is difficult to determine from the project description which part of the projects in the multi-county project areas were considered for Lincoln County analysis. This is not critical for this analysis (although Catawba emissions should not be considered because this county is not a part of this nonattainment area); however, this will be critical for conformity determinations when the county-level subarea budgets come into play. The separate addendum table could provide this information for the reviewer.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented
- For **C-4945** in the STIP, more information is needed to determine whether the project is exempt or not. A minor expansion for transit is exempt whereas a major expansion for transit is nonexempt.
 - This project will add an additional bus in the morning and one in the evening. No conformity implications

IREDELL

- It is difficult to determine from the project description which part of the projects in the multi-county project areas were considered for Iredell County analysis. This is not critical for this analysis (although Catawba emissions should not be considered because this county is not a part of this nonattainment area); however, this will be critical for conformity determinations when the county-level subarea budgets come into play. The separate addendum table could provide this information for the reviewer.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented
- Is **R-5100** included in the most recent regional emissions analysis? It is difficult to ascertain from the information provided.
 - The funding for this project is beyond year 12 in the STIP. No conformity implications

TRIAD AREA

GUILFORD

- For project **R-2413**, please explain why the TIP has the project listed as 12.4 miles whereas the LRTP has it listed as 9.8.
 - The mileage in the LRTP shows what is left to be completed for this project
- For project **R-2612**, please explain why the TIP has the project listed as 12.4 miles whereas the LRTP has it listed as 5.
 - The mileage in the LRTP shows what is left to be completed for this project
- For project **U-2412**, please explain why the TIP has the project listed as 7.8 miles whereas the LRTP has it listed as 4.9.
 - It is project U-2414 (not R-2412). The mileage only shows the Greensboro MPO mileage.
- Explain why some projects in the LRTP appear in more than one horizon year.
 - The LRTP shows the project phases and when the different phases will be open to traffic

FORSYTH

- For project **U-2579**, please explain why the TIP has the project listed as 17.1 miles whereas the LRTP has it listed as 8.6.
 - The mileage in the LRTP will be adjusted to reflect the STIP mileage.
- For project **U-4909**, please explain why the TIP has the project listed as 3.6 miles whereas the LRTP has it listed as 5.3.
 - The mileage in the LRTP will be adjusted to reflect 3.6 miles.

TRIANGLE AREA

DURHAM

- Could not find **U-4763B** in Durham County in the LRTP. Please Explain.
 - This project in the amended LRTP (#66)

CHATHAM

- No comments

ORANGE

- No comments

WAKE

- Could not find **U-5024** in Wake County in the LRTP. Please Explain.
 - Project U-5024 (Green Oaks Parkway in Holly Springs) is an economic development project that is partially being funded using economic development funds from the State of North Carolina. This project is not regionally significant and no Federal funds will be used.
- Could not find **U-4901** in Wake County in the LRTP. Please Explain.
 - Project U-4901 In 2020 HY as segments A12 and A13b

- For project **R-2000** in Wake County, please explain why the TIP has the project listed as 29 miles whereas the LRTP has it listed as 11.
 - The CAMPO LRTP does not list completed projects. The LRTP has project F1a that corresponds to sections F and G of R-2000. Project F4a corresponds to sections AA, AB, and AC of R-2000. As this date, sections F and G of R-2000 are open to traffic.
- For project **R-2814** in Wake County, please explain why the TIP has the project listed as 18.5 miles whereas the LRTP has it listed as 8.
 - The 8.29 miles represents projects in the 2030 LRTP (From Ligon Mill Road to Franklin County) that were within the Capital Area MPO jurisdiction at that time. Franklin County at the time of the 2030 LRTP completion was not a member of the Capital Area MPO

JOHNSTON

- Could not find **I-4754** in Johnston County in the LRTP. Please Explain.
 - This project is in Johnston County outside of the MPO boundary.
- Could not find **U-3334** in Johnston County in the LRTP. Please Explain.
 - Johnston County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.

GRANVILLE

- No comments

FRANKLIN

- No comments

ROCKY MOUNT AREA

EDGECOMBE

- Could not find **U-3826** in Edgecombe County in the LRTP. Please Explain.
 - This project is outside of the MPO boundary

From: Dancausse, Edward
Sent: Thursday, January 24, 2008 1:00 PM
To: 'Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov)'; 'Wendy Miller (wendym@cityofws.org)'; 'Mike Nunn (Nunn, Mike)'; David Hyder (david.hyder@highpointnc.gov)
Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)'; Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'; Melton, Boyd <FTA>; 'Michael Abuya (mrabuya@dot.state.nc.us)'; 'Andy Bailey (jabailey@dot.state.nc.us)'; 'Atefe Northcutt (anorthcutt@dot.state.nc.us)'; Barren, Loretta; Marley, Bill; 'Scott Rhine (scottr@partnc.org)'
Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Attachments: DAQ Comments 1.22.08.doc; EPA Comments 1.22.08.txt; FHWA Comments 1.24.08.doc

The attached files contain the comments from EPA, NCDQA and FHWA on the regionally significant and exempt project lists for the Triad area. FTA had no comments. Please review and provide your reply to the agency comments (or agency request for additional information) by 1/30/08.

We can add this as an agenda item to our monthly Triad IC meeting/conference call on 2/8/08 to discuss any pending questions or issues on this review.

If you have any questions, please let me know.

Eddie



DAQ Comments
1.22.08.doc (29 K...



EPA Comments
1.22.08.txt (9 KB...



FHWA Comments
1.24.08.doc (32 ...

From: Dancausse, Edward
Sent: Friday, January 11, 2008 12:57 PM
To: Amanetta Wood (Wood.Amanetta@epamail.epa.gov); Heather Hildebrandt (heather.hildebrandt@ncmail.net); Melton, Boyd <FTA>
Cc: Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov); Ayers, Rob; Hyder, David <NHTSA>; Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov); Wendy Miller (wendym@cityofws.org); Mike Nunn (Nunn, Mike); Michael Abuya (mrabuya@dot.state.nc.us); Andy Bailey (jabailey@dot.state.nc.us); Atefe Northcutt (anorthcutt@dot.state.nc.us); Barren, Loretta; Marley, Bill; Scott Rhine (scottr@partnc.org)
Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Amanetta/Keith/Heather:

The attached files contain the Triad Area project lists for the interagency review (FHWA/EPA/NCDQA/FTA) of the regionally significant and exempt projects for the LRTP update transportation conformity process. Please review and provide comments to me the by close of business on 1/22/08.

FYI....The Burlington Graham MPO has no exempt projects in the Guilford County portion of their MPO.

Please reply to this email to acknowledge that you have received it.

If you have any questions or require additional information, please let me know.

Eddie

<< File: BG MPO 2007LRTP_horizon_tables_Dec19.xls >> << File: Greenboro MPO Projects RS&E.xls >> << File: HP MPO 2008 LRTP Draft Project List.xls >> << File: 2035 LRTP S & H Table November 2007 TAC Complete List LRTP Projects.pdf >> << File: WSUAMPO 2035 List of Exempt Projects FY2009-2015 TIP_1.10.08.pdf >> << File: Triad NA Donut Exempt Project List.pdf >> << File: Triad NA Donut Project List.pdf >>

Edward J. Dancausse
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FHWA Review of Regionally Significant and Exempt Project Lists for the Triad Area: Greensboro MPO, Winston Salem MPO, High Point MPO and the Burlington Graham MPO and the donut areas of Davidson and Davie Counties

1/24/08

Greensboro MPO

- General comment: If a project is exempt do not label it regionally significant
- W-5114: I would call this project exempt under 93.127 (I would like to get EPA and NCDAQ feedback on this)
- U-4757: I would call this project exempt under 93.127 (I would like to get EPA and NCDAQ feedback on this)
- PO4554: I would call this project exempt under 93.127 (I would like to get EPA and NCDAQ feedback on this)
- PO4553: I would call this project exempt under 93.127 (I would like to get EPA and NCDAQ feedback on this)
- PO4263: I would call this project exempt under 93.127 (I would like to get EPA and NCDAQ feedback on this)
- Bond Candidate: West Market Street, Intersection Improvements at College Road: I would call this project exempt under 93.127 (I would like to get EPA and NCDAQ feedback on this)

Winston Salem MPO

- R-2247CC: Why is this project regionally significant? Why is not exempt?

High Point MPO

- Please provide a project list that includes a column for functional class, current cross section, and proposed cross-section. I would like to review your list one more time with the requested information

Burlington Graham MPO

- No comments

Donut Davidson

- No comments

Donut Davie

- No comments

From: Wood.Amanetta@epamail.epa.gov
Sent: Wednesday, February 06, 2008 5:01 PM
To: Dancausse, Edward
Subject: Re: Reply Requested MPO reply to Agency Comments: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Attachments: BG MPO 1.24.08.txt; L McInyre Gboro MPO 2.4.08.htm; FHWA Comments 1 24 08 and Response.doc; DAQ Comments 1.22.08 and Response.doc; HP MPO 1.29.08 email.htm; HP MPO reply to additional NCDAQ comments 2.4.08.htm; 2008 LRTP Draft Project List.xls

Thank you Eddie,

all of my comments have been addressed and I will provide my response on the Greensboro MPO exempt project identification in the morning.

Amanetta Wood, Environmental Scientist
U.S. Environmental Protection Agency, Region 4 Air, Pesticides and Toxics Management Division
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Email: wood.amanetta@epa.gov
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Fax: (404) 562-9019

"Dancausse,
Edward"
<edward.dancausse@fhwa.dot.gov>

02/04/2008 04:08
PM

To
"Dancausse, Edward"
<edward.dancausse@fhwa.dot.gov>,
Amanetta Wood/R4/USEPA/US@EPA,
<heather.hildebrandt@ncmail.net>

cc
Lynorae Benjamin/R4/USEPA/US@EPA,
Amanetta Wood/R4/USEPA/US@EPA,
<heather.hildebrandt@ncmail.net>,
"Melton, Boyd <FTA>",
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<anorthcutt@dot.state.nc.us>,
"Barren, Loretta"
<loretta.barren@fhwa.dot.gov>,
"Marley, Bill"
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<scottr@partnc.org>,
<Lydia.McIntyre@greensboro-nc.gov>,
<wendym@cityofws.org>, "Mike Nunn \ (Nunn, Mike\)"
<mnunn@mblsolution.com>,
<david.hyder@highpointnc.gov>

Subject
Reply Requested MPO reply to
Agency Comments: Interagency
Review of the Triad Area

Regionally Significant and Exempt
Project Lists

Heather/Amanetta:

The attached files contain the MPO reply to agency comments. Please review and let me know if your comments have been addressed or not by 2/6/08. We will discuss any loose ends on this topic and hopefully close-out this review during the monthly Triad IC meeting on 2/8/08.

If you have any questions, please let me know.

Eddie

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(david.hyder@highpointnc.gov)

Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)';
Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather
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'Scott Rhine (scottr@partnc.org)'

Subject: REPLY Requested: Interagency Review of the Triad Area
Regionally Significant and Exempt Project Lists

The attached files contain the comments from EPA, NCDAQ and FHWA on the regionally significant and exempt project lists for the Triad area. FTA had no comments. Please review and provide your reply to the agency comments (or agency request for additional information) by 1/30/08.

We can add this as an agenda item to our monthly Triad IC meeting/conference call on 2/8/08 to discuss any pending questions or issues on this review.

If you have any questions, please let me know.

Eddie

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Cc: Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov); Ayers, Rob; Hyder, David <NHTSA>; Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov); Wendy Miller (wendym@cityofws.org); Mike Nunn (Nunn, Mike); Michael Abuya (mrabuya@dot.state.nc.us); Andy Bailey (jabailey@dot.state.nc.us); Atefe Northcutt (anorthcutt@dot.state.nc.us); Barren, Loretta; Marley, Bill; Scott Rhine (scottr@partnc.org)

Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Amanetta/Keith/Heather:

The attached files contain the Triad Area project lists for the interagency review (FHWA/EPA/NCDAQ/FTA) of the regionally significant and exempt projects for the LRTP update transportation conformity process. Please review and provide comments to me the by close of business on 1/22/08.

FYI....The Burlington Graham MPO has no exempt projects in the Guilford County portion of their MPO.

Please reply to this email to acknowledge that you have received it.

If you have any questions or require additional information, please let me know.

Eddie

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TIP_1.10.08.pdf >> << File: Triad NA Donut Exempt Project List.pdf >> << File:
Triad NA Donut Project List.pdf >>

Edward J. Dancausse
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edward.dancausse@fhwa.dot.gov
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(See attached file: BG MPO 1.24.08.txt)(See attached file: L McInyre Gboro MPO
2.4.08.htm)(See attached file: FHWA Comments 1 24 08 and Response.doc)(See
attached file: DAQ Comments 1.22.08 and Response.doc) (See attached file: HP MPO
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2.4.08.htm)(See attached file: 2008 LRTP Draft Project List.xls)

From: Dancausse, Edward
Sent: Friday, February 08, 2008 12:09 PM
To: Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'
Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)'; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'; Melton, Boyd <FTA>; 'Michael Abuya (mrabuya@dot.state.nc.us)'; 'Andy Bailey (jabailey@dot.state.nc.us)'; 'Atefe Northcutt (anorthcutt@dot.state.nc.us)'; Barren, Loretta; Marley, Bill; 'Scott Rhine (scottr@partnc.org)'; 'Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov)'; 'Wendy Miller (wendym@cityofws.org)'; 'Mike Nunn (Nunn, Mike)'; 'David Hyder (david.hyder@highpointnc.gov)'; 'Janice Godfrey (janice.godfrey@ncmail.net)'
Subject: RE: Reply Requested MPO reply to Agency Comments: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists
[NCDQAQ is part of the IC review mentioned below. Sorry for the omission.....](#)

Eddie

From: Dancausse, Edward
Sent: Friday, February 08, 2008 12:04 PM
To: Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'
Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)'; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'; Melton, Boyd <FTA>; 'Michael Abuya (mrabuya@dot.state.nc.us)'; 'Andy Bailey (jabailey@dot.state.nc.us)'; 'Atefe Northcutt (anorthcutt@dot.state.nc.us)'; Barren, Loretta; Marley, Bill; 'Scott Rhine (scottr@partnc.org)'; 'Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov)'; 'Wendy Miller (wendym@cityofws.org)'; 'Mike Nunn (Nunn, Mike)'; 'David Hyder (david.hyder@highpointnc.gov)'; 'Janice Godfrey (janice.godfrey@ncmail.net)'
Subject: RE: Reply Requested MPO reply to Agency Comments: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Just a follow-up email to close out the interagency review (EPA/FTA/FHWA/FTA) for the Triad Area regionally significant and exempt project lists. During the Triad area's transportation conformity interagency consultation status meeting held on 2.8.08, this review was discussed and the interagency partners were ok with the MPO reply to their comments. The MPO's need to update their regionally significant and exempt project lists to reflect any modifications or changes promised in their reply to agency comments.

Thanks for everyone's participation and responsiveness on this effort.

If you have any questions, please let me know.

Eddie

From: Dancausse, Edward
Sent: Monday, February 04, 2008 4:09 PM
To: Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'
Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)'; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'; Melton, Boyd <FTA>; 'Michael Abuya (mrabuya@dot.state.nc.us)'; 'Andy Bailey (jabailey@dot.state.nc.us)'; 'Atefe Northcutt (anorthcutt@dot.state.nc.us)'; Barren, Loretta; Marley, Bill; 'Scott Rhine (scottr@partnc.org)'; 'Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov)'; 'Wendy Miller (wendym@cityofws.org)'; 'Mike Nunn (Nunn, Mike)'; 'David Hyder (david.hyder@highpointnc.gov)'
Subject: Reply Requested MPO reply to Agency Comments: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Heather/Amanetta:

The attached files contain the MPO reply to agency comments. Please review and let me know if your comments have been addressed or not by 2/6/08. We will discuss any loose ends on this topic and hopefully close-out this review during the monthly Triad IC meeting on 2/8/08.

If you have any questions, please let me know.

Eddie

<< File: BG MPO 1.24.08.txt >> << File: L McIntyre Gboro MPO 2.4.08.htm >> << File: FHWA Comments 1 24 08 and Response.doc >> << File: DAQ Comments 1.22.08 and Response.doc >> << File: HP MPO 1.29.08 email.htm >> << File: HP MPO reply to additional NCDQA comments 2.4.08.htm >> << File: 2008 LRTP Draft Project List.xls >>

From: Dancausse, Edward
Sent: Thursday, January 24, 2008 1:00 PM
To: 'Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov)'; 'Wendy Miller (wendym@cityofws.org)'; 'Mike Nunn (Nunn, Mike)'; David Hyder (david.hyder@highpointnc.gov)
Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)'; Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'; Melton, Boyd <FTA>; 'Michael Abuya (mrabuya@dot.state.nc.us)'; 'Andy Bailey (jabailey@dot.state.nc.us)'; 'Atefe Northcutt (anorthcutt@dot.state.nc.us)'; Barren, Loretta; Marley, Bill; 'Scott Rhine (scottr@partnc.org)'
Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

The attached files contain the comments from EPA, NCDQA and FHWA on the regionally significant and exempt project lists for the Triad area. FTA had no comments. Please review and provide your reply to the agency comments (or agency request for additional information) by 1/30/08.

We can add this as an agenda item to our monthly Triad IC meeting/conference call on 2/8/08 to discuss any pending questions or issues on this review.

If you have any questions, please let me know.

Eddie

<< File: DAQ Comments 1.22.08.doc >> << File: EPA Comments 1.22.08.txt >> << File: FHWA Comments 1.24.08.doc >>

From: Dancausse, Edward
Sent: Friday, January 11, 2008 12:57 PM
To: Amanetta Wood (Wood.Amanetta@epamail.epa.gov); Heather Hildebrandt (heather.hildebrandt@ncmail.net); Melton, Boyd <FTA>
Cc: Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov); Ayers, Rob; Hyder, David <NHTSA>; Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov); Wendy Miller (wendym@cityofws.org); Mike Nunn (Nunn, Mike); Michael Abuya (mrabuya@dot.state.nc.us); Andy Bailey (jabailey@dot.state.nc.us); Atefe Northcutt (anorthcutt@dot.state.nc.us); Barren, Loretta; Marley, Bill; Scott Rhine (scottr@partnc.org)
Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Amanetta/Keith/Heather:

The attached files contain the Triad Area project lists for the interagency review (FHWA/EPA/NCDAQ/FTA) of the regionally significant and exempt projects for the LRTP update transportation conformity process. Please review and provide comments to me the by close of business on 1/22/08.

FYI....The Burlington Graham MPO has no exempt projects in the Guilford County portion of their MPO.

Please reply to this email to acknowledge that you have received it.

If you have any questions or require additional information, please let me know.

Eddie

<< File: BG MPO 2007LRTP_horizon_tables_Dec19.xls >> << File: Greenboro MPO Projects RS&E.xls >> << File: HP MPO 2008 LRTP Draft Project List.xls >> << File: 2035 LRTP S & H Table November 2007 TAC Complete List LRTP Projects.pdf >> << File: WSUAMPO 2035 List of Exempt Projects FY2009-2015 TIP_1.10.08.pdf >> << File: Triad NA Donut Exempt Project List.pdf >> << File: Triad NA Donut Project List.pdf >>

Edward J. Dancausse
Air Quality Specialist
FHWA NC Division
919-747-7026
919-747-7030 (fax)
edward.dancausse@fhwa.dot.gov
www.fhwa.dot.gov/ncdiv/

EPA Comments 1.22.08.txt

From: Wood.Amanetta@epamail.epa.gov
Sent: Tuesday, January 22, 2008 4:12 PM
To: Dancausse, Edward
Cc: Benjamin.Lynorae@epamail.epa.gov
Subject: Re: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Attachments: BG MPO 2007LRTP_horizon_tables_Dec19.xls; Greenboro MPO Projects RS&E.xls; HP MPO 2008 LRTP Draft Project List.xls; 2035 LRTP S & H Table November 2007 TAC Complete List LRTP Projects.pdf; WSUAMPO 2035 List of Exempt Projects FY2009-2015 TIP_1.10.08.pdf; Triad NA Donut Exempt Project List.pdf; Triad NA Donut Project List.pdf

Good afternoon Eddie,

Thank you for sending this to us for our review. We have completed our review of the Triad Area project lists of regionally significant and exempt projects for the LRTP update, and agree with the exempt and regionally significant status for all of the projects provided. We do however, we have one minor comment: Please explain why the NC 62 Bypass in the Burlington-Graham MPO under 2025 horizon year is not a regionally significant project.

Amanetta Wood, Environmental Scientist
U.S. Environmental Protection Agency, Region 4 Air, Pesticides and Toxics Management Division
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Email: wood.amanetta@epa.gov
Phone: (404) 562-9025
Fax: (404) 562-9019

"Dancausse,
Edward"
<edward.dancausse@fhwa.dot.gov>
>

01/11/2008
12:56 PM

To
Amanetta Wood/R4/USEPA/US@EPA,
<heather.hildebrandt@ncmail.net>,
"Melton, Boyd <FTA>"

CC
Lynorae Benjamin/R4/USEPA/US@EPA,
"Ayers, Rob"
<rob.ayers@fhwa.dot.gov>, "Hyder,
David <NHTSA>",
<Lydia.McIntyre@greensboro-nc.gov>
, <wendym@ci tyofws.org>, "Mike
Nunn \ (Nunn, Mike)"
<munn@mbi solution.com>,
<mrabuya@dot.state.nc.us>,
<jabai ley@dot.state.nc.us>,
<anorthcutt@dot.state.nc.us>,
"Barren, Loretta"
<loretta.barren@fhwa.dot.gov>,
"Marley, Bill"
<bill.marley@fhwa.dot.gov>,
<scottr@partnc.org>

Subject
REPLY Requested: Interagency
Review of the Triad Area
Regionally Significant and Exempt
Page 1

EPA Comments 1.22.08.txt
Project Lists

Amanetta/Keith/Heather:

The attached files contain the Triad Area project lists for the interagency review (FHWA/EPA/NCDAQ/FTA) of the regionally significant and exempt projects for the LRTP update transportation conformity process. Please review and provide comments to me by close of business on 1/22/08.

FYI.... The Burlington Graham MPO has no exempt projects in the Guilford County portion of their MPO.

Please reply to this email to acknowledge that you have received it.

If you have any questions or require additional information, please let me know.

Eddie

<<BG MPO 2007LRTP_hori zon_ tabl es_ Dec19. xl s>> <<Greenboro MPO Projects RS&E. xl s>>
<<HP MPO 2008 LRTP Draft Project Li st. xl s>> <<2035 LRTP S & H Table November 2007
TAC Complete Li st LRTP Projects. pdf>> <<WSUAMPO 2035 Li st of Exempt Projects
FY2009-2015 TIP_1. 10. 08. pdf>> <<Tri ad NA Donut Exempt Proj ect Li st. pdf>> <<Tri ad NA
Donut Proj ect Li st. pdf>>

Edward J. Dancausse
Air Quality Specialist
FHWA NC Division
919-747-7026
919-747-7030 (fax)
edward.dancausse@fhwa.dot.gov
www.fhwa.dot.gov/ncdiv/

(See attached file: BG MPO 2007LRTP_hori zon_ tabl es_ Dec19. xl s) (See
attached file: Greenboro MPO Projects RS&E. xl s) (See attached file: HP MPO 2008 LRTP
Draft Project Li st. xl s) (See attached file: 2035 LRTP S & H Table November 2007 TAC
Complete Li st LRTP Projects. pdf) (See attached
file: WSUAMPO 2035 Li st of Exempt Projects FY2009-2015 TIP_1. 10. 08. pdf) (See
attached file: Tri ad NA Donut Exempt Proj ect Li st. pdf) (See attached

EPA Comments 1.22.08.txt
file: Tri ad NA Donut Project Li st. pdf)

From: Wood.Amanetta@epamail.epa.gov

Sent: Thursday, February 07, 2008 11:58 AM

To: Dancausse, Edward

Subject: Fw: Re: Reply Requested MPO reply to Agency Comments: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Attachments: BG MPO 1.24.08.txt; L McInyre Gboro MPO 2.4.08.htm; FHWA Comments 1 24 08 and Response.doc; DAQ Comments 1.22.08 and Response.doc; HP MPO 1.29.08 email.htm; HP MPO reply to additional NCDAQ comments 2.4.08.htm; 2008 LRTP Draft Project List.xls
Good morning Eddie,

After reviewing the Greensboro exempt project list I agree with all exempt project descriptions except for project W-2114. I think that project W-5114 should be exempt under 93.126 because it is a median project. Please let me know if you need any additional information.

Amanetta Wood, Environmental Scientist
U.S. Environmental Protection Agency, Region 4
Air, Pesticides and Toxics Management Division
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Email: wood.amanetta@epa.gov
Phone: (404) 562-9025
Fax: (404) 562-9019

-----Forwarded by Amanetta Wood/R4/USEPA/US on 02/07/2008 11:54AM -----

To: "Dancausse, Edward" <edward.dancausse@fhwa.dot.gov>
From: Amanetta Wood/R4/USEPA/US
Date: 02/06/2008 05:01PM
Subject: Re: Reply Requested MPO reply to Agency Comments: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Thank you Eddie,

all of my comments have been addressed and I will provide my response on the Greensboro MPO exempt project identification in the morning.

Amanetta Wood, Environmental Scientist
U.S. Environmental Protection Agency, Region 4
Air, Pesticides and Toxics Management Division
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Email: wood.amanetta@epa.gov
Phone: (404) 562-9025
Fax: (404) 562-9019

▼ "Dancausse, Edward" <edward.dancausse@fhwa.dot.gov>

"Dancausse, Edward"
<edward.dancausse@fhwa.dot.gov>

02/04/2008 04:08 PM

To "Dancausse, Edward"
<edward.dancausse@fhwa.dot.gov>
Amanetta Wood/R4/USEPA/US
<heather.hildebrandt@ncdot.gov>
ccLynorae

Benjamin/R4/USEPA/US@
 Amanetta Wood/R4/USEP
 <heather.hildebrandt@nc
 "Melton, Boyd <FTA>",
 <mrabuya@dot.state.nc.1
 <jabailey@dot.state.nc.u
 <anorthcutt@dot.state.nc
 "Barren, Loretta"
 <loretta.barren@fhwa.do
 "Marley, Bill"
 <bill.marley@fhwa.dot.gc
 <scottr@partnc.org>,
 <Lydia.McIntyre@greensl
 nc.gov>, <wendym@city
 "Mike Nunn \"(Nunn, Mike
 <munn@mblsolution.coi
 <david.hyder@highpointn
 SubjectReply Requested MPO req
 Agency Comments: Inter
 Review of the Triad Area
 Significant and Exempt Pi

Heather/Amanetta:

The attached files contain the MPO reply to agency comments. Please review and let me know if your comments have been addressed or not by 2/6/08. We will discuss any loose ends on this topic and hopefully close-out this review during the monthly Triad IC meeting on 2/8/08.

If you have any questions, please let me know.

Eddie

<<BG MPO 1.24.08.txt>> <<L McIntyre Gboro MPO 2.4.08.htm>> <<FHWA Comments 1 24
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 email.htm>> <<HP MPO reply to additional NCDAQ comments 2.4.08.htm>> <<2008 LRTP Draft
 Project List.xls>>

From: Dancausse, Edward

Sent: Thursday, January 24, 2008 1:00 PM

To: 'Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov)'; 'Wendy Miller (wendym@cityofws.org)'; 'Mike Nunn (Nunn, Mike)'; David Hyder (david.hyder@highpointnc.gov)

Cc: 'Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov)'; Dancausse, Edward; 'Amanetta Wood (Wood.Amanetta@epamail.epa.gov)'; 'Heather Hildebrandt (heather.hildebrandt@ncmail.net)'; Melton, Boyd <FTA>; 'Michael Abuya (mrabuya@dot.state.nc.us)'; 'Andy Bailey (jabailey@dot.state.nc.us)'; 'Atefe Northcutt (anorthcutt@dot.state.nc.us)'; Barren, Loretta; Marley, Bill; 'Scott Rhine (scottr@partnc.org)'

Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

The attached files contain the comments from EPA, NCDAQ and FHWA on the regionally significant and exempt project lists for the Triad area. FTA had no comments. Please review and provide your reply to the agency comments (or agency request for additional information) by 1/30/08.

We can add this as an agenda item to our monthly Triad IC meeting/conference call on 2/8/08 to discuss any pending questions or issues on this review.

If you have any questions, please let me know.

Eddie

<< File: DAQ Comments 1.22.08.doc >> << File: EPA Comments 1.22.08.txt >> << File: FHWA Comments 1.24.08.doc >>

From: Dancausse, Edward

Sent: Friday, January 11, 2008 12:57 PM

To: Amanetta Wood (Wood.Amanetta@epamail.epa.gov); Heather Hildebrandt (heather.hildebrandt@ncmail.net); Melton, Boyd <FTA>

Cc: Lynorae Benjamin (Benjamin.Lynorae@epamail.epa.gov); Ayers, Rob; Hyder, David <NHTSA>; Lydia McIntyre (Lydia.McIntyre@greensboro-nc.gov); Wendy Miller (wendym@cityofws.org); Mike Nunn (Nunn, Mike); Michael Abuya (mrabuya@dot.state.nc.us); Andy Bailey (jabailey@dot.state.nc.us); Atefe Northcutt (anorthcutt@dot.state.nc.us); Barren, Loretta; Marley, Bill; Scott Rhine (scottr@partnc.org)

Subject: REPLY Requested: Interagency Review of the Triad Area Regionally Significant and Exempt Project Lists

Amanetta/Keith/Heather:

The attached files contain the Triad Area project lists for the interagency review (FHWA/EPA/NCDAQ/FTA) of the regionally significant and exempt projects for the LRTP update transportation conformity process. Please review and provide comments to me the by close of business on 1/22/08.

FYI....The Burlington Graham MPO has no exempt projects in the Guilford County portion of their MPO.

Please reply to this email to acknowledge that you have received it.

If you have any questions or require additional information, please let me know.

Eddie

<< File: BG MPO 2007LRTP_horizon_tables_Dec19.xls >> << File: Greenboro MPO Projects RS&E.xls >> << File: HP MPO 2008 LRTP Draft Project List.xls >> << File: 2035 LRTP S & H Table November 2007 TAC Complete List LRTP Projects.pdf >> << File: WSUAMPO 2035 List of Exempt Projects FY2009-2015 TIP_1.10.08.pdf >> << File: Triad NA Donut Exempt Project List.pdf >> << File: Triad NA Donut Project List.pdf >>

Edward J. Dancausse
Air Quality Specialist
FHWA NC Division
919-747-7026
919-747-7030 (fax)

edward.dancausse@fhwa.dot.gov
www.fhwa.dot.gov/ncdiv/

From: Wood.Amanetta@epamail.epa.gov
Sent: Monday, February 04, 2008 9:17 AM
To: Dancausse, Edward
Subject: Re: FW: Revised Greensboro MPO Exempt Project List

Attachments: GUAMPO MTIP Projects-1-23-08.xls

Good morning Eddie,

I did not have any comments on the exempt projects list We agree that all of the projects are exempt per 93.126 and 93.127. Thank you for providing this to us for our review

Amanetta Wood, Environmental Scientist
U.S. Environmental Protection Agency, Region 4 Air, Pesticides and Toxics
Management Division
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Email: wood.amanetta@epa.gov
Phone: (404) 562-9025
Fax: (404) 562-9019

"Dancausse,
Edward"
<edward.dancauss
e@fhwa.dot.gov>

01/31/2008 08:54
AM

To
Amanetta Wood/R4/USEPA/US@EPA,
<heather.hildebrandt@ncmail.net>
cc

Subject
FW: Revised Greensboro MPO Exempt
Project List

Heather/Amanetta,

Any comments? See below.

Thanks
Eddie

From: Dancausse, Edward
Sent: Thursday, January 24, 2008 1:22 PM
To: Amanetta Wood (Wood.Amanetta@epamail.epa.gov); Heather Hildebrandt
(heather.hildebrandt@ncmail.net)

Cc: Melton, Boyd <FTA>; Scott Rhine (scottr@partnc.org); Marley, Bill; Barren, Loretta
Subject: Revised Greensboro MPO Exempt Project List

Heather/Amanetta,

I got a revised exempt list from the Greensboro MPO. They have added exempt MTIP projects to their list. Please review and offer comments to me by 1.30.08.

If you have any questions, please let me know.

Eddie

From: McIntyre, Lydia [mailto:Lydia.McIntyre@greensboro-nc.gov]
Sent: Thursday, January 24, 2008 10:44 AM
To: Dancausse, Edward
Subject: GUAMPO project list

Eddie

This is my updated list. Changes reflect your comments and updated exempt project list. I have also now added TIP exempt projects such as bridge, safety, and enhancement projects.

<<GUAMPO MTIP Projects-1-23-08.xls>>

Lydia M. McIntyre

Transportation Planning Engineer

Greensboro DOT/MPO

P.O. Box 3136

Greensboro, NC 27402

336-373-3117

=====
Please note that email sent to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

(See attached file: GUAMPO MTIP Projects-1-23-08.xls)

January 22, 2008

DAQ Comments on Triad Regionally Significant Projects

Winston-Salem Urban MPO

- Why is B-3835 regionally significant and B-3637 is not? Both are bridge replacement projects but B-3637 has a wider proposed cross-section and seems to interact with I-40 with an interchange?
- U-4917 will not increase capacity and is just for safety reasons?
- Does R-3610 connect to I-40?
- No comments on Exempt project list

Donut Area Fiscally Constrained Roadway Projects

- No comments

Greensboro MPO

- Why is P03880 not regionally significant while B44 (Sandy Ridge Road) is? The projects seem very similar and both connect to I-40.
- Why is C19 not regionally significant? It connects to I-85.
- If a project is exempt, it is not regionally significant even if it is on a principle arterial or higher. Just leave that column blank.

Burlington-Graham MPO

- What will be the functional classification of the NC119 Bypass? Typically roads that connect interstates serve a regional purpose.

Triad Non-Attainment Donut Area Exempt Project List

- No comments

High Point MPO

- Please add a column for functional class, current cross section, and proposed cross-section. It was very difficult for me to determine whether I had any issues with the project lists without this information.
- R-2568C,D,E,F appears to connect to I-40 and is a fairly lengthy project. Why is it not regionally significant?
- R-4734 connects to I-85 and is 16.9 miles long. Why is this project not regionally significant?

From: heather.hildebrandt [heather.hildebrandt@ncmail.net]

Sent: Monday, February 04, 2008 1:23 PM

To: Dancausse, Edward

Subject: Re: Follow-up Information from HP MPO on Regionally Significant and Exempt List-Agency Review

Thanks for the updated projects. I would still have preferred information about project length as well. Below are my comments on the project list...

U-4111 (Randolph St.): This is a project on a principal arterial. Why is it not regionally significant?

Finch Farm Road, Surrett Drive, and Kivett Drive all connect to I-85. What are the roads in those areas that serve the regional purpose to I-85?

West Lexington Avenue is on a principal arterial. Why is it not regionally significant?

Dancausse, Edward wrote:

Heather,

The attached file contains a revised project list (with the addition of the requested columns: functional class, current cross section and proposed cross section) along with an email from the HP MPO with reply to comments.

Please review this information and let me know if you have additional comments by 2/5/08.

If you have any questions, please let me know.

Thanks
Eddie

<<2008 LRTP Draft Project List.xls>> <<HP MPO 1.29.08 email.htm>>

Edward J. Dancausse
Air Quality Specialist
FHWA NC Division
919-747-7026
919-747-7030 (fax)
edward.dancausse@fhwa.dot.gov
www.fhwa.dot.gov/ncdiv/

From: GREG VENABLE [greg.venable@highpointnc.gov]

Sent: Tuesday, January 29, 2008 4:37 PM
To: Dancausse, Edward

Attachments: 2008 LRTP Draft Project List.xls

Eddie, David Hyder asked that I send you the project list for the High Point MPO with the updated information included. There was a question about NC 109 (R-2568) not being regionally significant. The reason we listed it as not being regionally significant is because the Functional Classification of NC109 from Thomasville to Winston-Salem is minor arterial. We did change NC 109 south of Thomasville (R-4734) to regionally significant. It has a functional classification of other principal arterial. Please let me know if we need to make other changes or you need more information.

Thank you,

Greg Venable
Transportation Planner
City of High Point
Department of Transportation
336-883-3310

--

Heather J. Hildebrandt, Environmental Engineer
NC DENR, Division of Air Quality
TSS/ Mobile Source Compliance Branch
1641 Mail Service Center
Raleigh, NC 27699-1641
phone: 919-733-1498
fax: 919-733-1812
www.ncair.org

* * * * *

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

* * * * *

From: heather.hildebrandt [heather.hildebrandt@ncmail.net]
Sent: Thursday, January 31, 2008 9:14 AM
To: Dancausse, Edward
Subject: Re: FW: Revised Greensboro MPO Exempt Project List
No additional comments from me. Thanks.

Dancausse, Edward wrote:
[Heather/Amanetta](#),

[Any comments? See below.](#)

Thanks
Eddie

From: Dancausse, Edward
Sent: Thursday, January 24, 2008 1:22 PM
To: Amanetta Wood (Wood.Amanetta@epamail.epa.gov); Heather Hildebrandt (heather.hildebrandt@ncmail.net)
Cc: Melton, Boyd <FTA>; Scott Rhine (scottr@partnc.org); Marley, Bill; Barren, Loretta
Subject: Revised Greensboro MPO Exempt Project List

[Heather/Amanetta](#),

I got a revised exempt list from the Greensboro MPO. They have added exempt MTIP projects to their list. Please review and offer comments to me by 1.30.08.

If you have any questions, please let me know.

Eddie

From: McIntyre, Lydia [<mailto:Lydia.McIntyre@greensboro-nc.gov>]
Sent: Thursday, January 24, 2008 10:44 AM
To: Dancausse, Edward
Subject: GUAMPO project list

Eddie

This is my updated list. Changes reflect your comments and updated exempt project list. I have also now added TIP exempt projects such as bridge, safety, and enhancement projects.

<<GUAMPO MTIP Projects-1-23-08.xls>>

Lydia M. McIntyre

Transportation Planning Engineer

Greensboro DOT/MPO

P.O. Box 3136

Greensboro, NC 27402

336-373-3117

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--

Heather J. Hildebrandt, Environmental Engineer
NC DENR, Division of Air Quality
TSS/ Mobile Source Compliance Branch
1641 Mail Service Center
Raleigh, NC 27699-1641
phone: 919-733-1498
fax: 919-733-1812
www.ncair.org

* * * * *
E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.
* * * * *

Triad Area IC Meeting
11/30/07

Meeting Attendees

Mike Nunn, Scott Rhine, Pat Reagan, Phyllis Jones, Eddie Dancausse, Amanetta Wood, Terry Arellano, NCDOT MPO coordinators (Micheal Abuya/Atefee Northcutt/Andy Bailey/ Wayne Davis), (NCDOT modelers (Paul Shroeder, Tae-gyu Kim), Lydia McIntyre, Fred Haith, Greg Errett, David Hyder.

Summary

GBORO MPO

- Getting close to finalizing financial data/CMP
- Revised project list, and exempt project list and forwarded to Eddie.

WS MPO

- TAC approval on project list.
- Getting a read on potential bonding for projects, Looking at land use aspects and the model.
- Public participation policy is complete.
- Updated Bike and Ped section.
- Looking at TIP and scheduling,
- Thoroughfare plan update part of LRTP process, Fright element-corresponded with FHWA.
- Congestion management-completed network on Federal Functional Classification.

HP MPO

- Finished financial plan, need to finish year of expenditure, working on the congestions management plan.
- Looking at Freight information provided at Scott Rhine.
- First cut at CTP mapping.
- Working on congestion management plan.

BG MPO

- Horizon tables 95% complete.
- Putting text together outlined by 2/2008 for TAC.
- Pubic participation plan pulled together.
- Develped financial growth projection

Regional Model Update:

- Work is progressing/networks under review and adjusted/work begun on base yr assignments/external trip 09/25, SE data is model ready. Work is progressing with committed/existing networks. Work is progressing on schedule.
- Intermediate deliveries / reviews are available on ProjectSolve to look at information related to modeling that PB is doing.
- Model runs in the February time frames are still on schedule.

- Model team has all the information that is needed from the MPOs/NCDOT at this point in the process

FHWA

- There were no questions or comments on the conformity process schedule, consensus plan or the 10/30/07 meeting minutes.
- The next conformity process schedule milestones are the MPO project lists 12/3/07 and the transportation modeling work 12/3/07-2/29/07.

Other:

Revised budgets were submitted to EPA for the revised 1-hour ozone SIP. Waiting on EPA review and comments

Action Items

- FHWA will follow up with MPOs (Gboro/HP/WS/BG) on exempt project list. FHWA would like to send out project lists to IC partners for review and comment during the week of 12/10/07
- FHWA will provide SAFETEA-LU requirements/checklist for LRTP updates
- Determine if a decision has been made regarding rail mass transit-PART coordinate
- Regional efforts regarding future revenue-PART coordinate
- FHWA will meet with EPA and NCDOT to donut area list by horizon year and regional significance
- FHWA will provide certification review schedule.

Triad Area IC Meeting Minutes
11/10/08

Meeting Attendees (Via Teleconference)

Lydia McIntyre (GUAMPO)

Scott Rhine (PART)

Eddie Dancausse (FHWA)

Wendy Miller (WSMPO)

Paul Schroeder (NCDOT)

Mike Abuya (NCDOT)

Eirlene Thomas (NCDOT)

Terry Arellano (NCDOT)

Fred Haith (WSMPO)

Janice Godfrey (DAQ)

Summary

□ **Conformity Update**

○ Triad MPO LRTP

- Scott opened discussions on what activities have occurred, and those additional items that need addressed for the LRTP re-release and accompanying conformity document to proceed.
- Verification was given that 2010 emission factors need finalized by NCDAQ and forward to PART for distribution to NCDOT for development of REA.
- NCDAQ requested verification for NCDOT on IM fraction file that is in place and has been utilized previously.
- Verification was given that comments received by NCDAQ, FHWA, EPA have been incorporated into the CDR.
- NCDOT will deliver to PART the REA once they have received the emission factors from PART. The REA will occur the first part of the week of 11-17-08 (following the return of attendees to the annual MPO Conference).
- Scott will compile necessary documentation to have the LRTP Conformity document ready for delivery to MPO's by 11-26-08. FHWA, NCDAQ, EPA will receive the document for review prior to being distributed to the public.

○ Next Steps – LRTP, Conformity Report

- Scott will compile all outstanding documents and distribute draft conformity report to all partners by 11/26/08.
- PART and FHWA will update the conformity schedule and consensus plan.
- MPO's will need to adopt resolutions from their MPO TAC for the following:
 1. Conformity Determination adoption of the 2035 LRTP
 2. Adoption of the 2035 LRTP
 3. Conformity Determination of the 2009-2015 TIP of the 2035 LRTP.

Action Items

- MPO's will provide to PART all related files for inclusion in to the Conformity reports for both TIP and LRTP.
- NCDOT will finalize REA, and deliver all related tables to PART.
- PART will distribute the LRTP conformity report to all IC partners.
- MPO's will finalize their schedules and provide information to PART and FHWA on their date of adoption.
- MPO's will schedule and conduct their public participation meeting for the LRTP and conformity report.

**Triad Area
Transportation Conformity
Interagency Consultation Meeting
Meeting Minutes
10/30/07**

Meeting Attendees:

- **PART:** Scott Rhine,
- **NC DOT:** Terry Arellano, Tae-Gye Kim, Wayne Davis, Michael Abuya, John Bailey, Paul Schroeder
- **NCDAQ:** George Bridgers, Janice Godfrey, Heather Hildebrandt, Phyllis Jones
- **FHWA:** Eddie Dancausse, Bill Marley
- **EPA:** Amanetta Wood (by telephone)
- **FCEAD:** Pat Reagan, Van Sullivan
- **Burlington Graham MPO:** Mike Nunn
- **PTRPO:** Hanna Cockburn
- **Greensboro (G)MPO:** Lydia McIntyre
- **High Point (HP)MPO:** David Hyder
- **Winston Salem (WS)MPO:** Greg Errett, Wendy Miller
- **FTA:** Keith Melton could not participate but wants a copy of the meeting minutes and associated documentation

**MPO Progress Report on the 2035 Long Range Transportation Plan (LRTP)
Updates**

- **GMPO:** Model updates are underway along with congestion management system (CMS) plans and working on other SAFETEA-LU requirements. Scott Rhine is working with agencies to get GIS data for the region.
- **HPMPO:** Working on financial constraint portion of the LRTP, CMS plans, bicycle pedestrian plans and freight plans
- **WSMPO:** Working on freight plan and CMS plan. Also underway are the public transit and safety portion of the LRTP. The bicycle pedestrian plan is complete. Looking to have LRTP project list approval by 11/2007
- **BGMPO:** The bicycle pedestrian plan and transit plans are complete. The financial plan is 90% complete

Triad PM2.5 SIP Update

- There will be a PM2.5 SIP shareholder meeting will be held at the PART offices on 11/14/07. The purpose of the meeting will be to go over all the NCDAQ work that has been completed up to this point on the PM2.5 SIP that will be submitted to EPA by 4/5/2008.
- It does not look like the Triad Area will not attain the PM2.5 standard by the end of 2007. It looks like the Triad Area will have an attainment demonstration PM2.5 SIP. It looks like the Triad Area will be able to attain the PM2.5 standard by 2009.
- NCDAQ will release the draft motor vehicle emissions budgets (MVEBs) for the PM2.5 SIP in the 12/2007-1/2008 timeframe.

- The NCDAQ will include an insignificance discussion for various pollutants / precursors in the PM2.5 Attainment Demonstration SIP for the Hickory and Greensboro/Winston-Salem/High Point areas. Specifically, the NCDAQ will explain that VOC, NH3, and NOx are insignificant pollutants / precursors to PM2.5 non-attainment in North Carolina. This would include references from the PM2.5 Implementation Rule that states that States are not required to address VOC nor NH3 and considerations from the speciated monitoring data and air quality modeling indicating that NOx is not a significant contributor to PM2.5. The NCDAQ will also state that SO2 is insignificant with respect to the mobile portion of the emissions inventory. The overall percentage of the mobile SO2 to the entire SO2 emissions inventory is very small, and there are already significant reductions underway with the federal requirements for sale of low-sulfur fuel. Finally, the NCDAQ is seeking approval from EPA Region 4 and OTAQ to deem direct PM2.5 insignificant with respect to the mobile portion of the emissions inventory. As with mobile SO2, the mobile Direct PM2.5 portion of the entire Direct PM2.5 emissions inventory is small. This said, our conversations with EPA Region 4 and OTAQ leave us to believe that we will have to address mobile Direct PM2.5 in the Triad but possibly not in Hickory.

Triad Regional Model Discussion

- The Piedmont Triad Regional Model (PTRM) covers 4 MPOs (GMPO, HPMPO, WSMPO and the BGMPO).
- The PTRM will be ready for use by 1/2008. VMT and Speeds from the PTRM should be available by 2/2008.
- The PTRM model runs are 2002 (BY), 2015, 2025 and 2035.

Conformity Process Schedule (CPS)

- FHWA went over key dates in the CPS and agency task responsibilities. Please review the latest version of the CPS (dated 11/7/07) for any changes/revisions that resulted from the 10/30/07 IC meeting.

Transportation Conformity Pre-Analysis Consensus Plan (TCPCP)

- FHWA went over the TCPCP.
- Recommended changes to the TCPCP
 - Item #3 MTIP Years: What are the MTIP years for this conformity process is it 09-15, 07-13, or both? FHWA will research this item and will update the TCPCP to reflect the answer. Item addressed in TCPCP
 - Item #6: Transportation Conformity Analysis Years (1-hour ozone, CO and PM2.5)
 - Emission Comparison Years, 1st bullet, remove “2002” Item corrected in TCPCP
 - Emission Comparison Years, 3rd bullet, 1st sub-bullet, add “2009 (modeled –compare to 2002 baseline)” Item corrected in TCPCP
 - Emission Comparison Years, add additional information discussing the need to do an emissions comparison to the proposed 1-hour ozone SIP MVEBs (for the SIP revision to the 1-hour ozone

standard to provide more safety margin for all the Triad area counties) **Item corrected in TCPCP**

- List of Specific Conformity Years (1-hour ozone SIP), item c, remove “2002.” **Item corrected in TCPCP**
 - List of Specific Conformity Years (PM 2.5 Interim Emissions Test-less than 2002 baseline), item c, add “2009” **Item corrected in TCPCP**
 - List of Specific Conformity Years (Proposed PM 2.5 SIP), item c, remove “to be determined” and add “if attainment demonstration SIP the budget year will be 2009 and if redesignation maintenance SIP the budgets years will be determined” **Item corrected in TCPCP**
 - Item #8: Travel Demand Model, 1st sentence, remove “and the rural spreadsheet at NCDOT” **Item corrected in TCPCP**
 - Item #9: Mode Split/Mode Choice, PART will review and modify as appropriate. **Item corrected in TCPCP**
 - Item #10: VMT Adjustments, FHWA will revise as suggested **Item corrected in TCPCP**
 - Item #11: Motor Vehicle Emissions Budgets
 - Item a, add new proposed 1-hour ozone SIP MVEBs **Item corrected in TCPCP**
 - Last paragraph, 1st sentence, replace “April 5, 2007” with “April 5, 2008” **Item corrected in TCPCP**
 - Last paragraph, 2nd sentence, replace “It is anticipated that the SIP MVEBs will be available by January 2008” with “It is anticipated that NCDAQ will provide draft SIP MVEBs by January 2008” **Item corrected in TCPCP**
 - Item #12: Control Strategies, add the following statement to this item, “There are currently no TCMs in the Triad Area SIPs” **Item corrected in TCPCP**
 - Item #13: Mobile Source Emission Reduction Strategies
 - Update the years credited from: “2002, 2010, 2020, and 2030” to: “2009, 2015, 2025 and 2035.” **Item corrected in TCPCP**
 - Remove Transit Improvement as a Mobile Source Emission Reduction Strategy **Item corrected in TCPCP**
 - Item #14: Mobile Model Settings, spell out RVP. **Item corrected in TCPCP**
 - Item #16 CMAQ projects: add PTRPO (donut Davidson County) to the areas that will provide a list of CMAQ projects. **Item corrected in TCPCP**
- Please review the latest version of the TCPCP (dated 11/13/07) for any changes/revisions listed above from the 10/30/07 IC meeting.

Other Items Discussed

- FHWA offered to review the draft resolutions that will be used for the 09-15 TIP adoption, 2035 LRTP adoption, 09-15 TIP conformity determination, and the 2035 LRTP conformity determination.
- As MPOs develop their SAFETEA-LU compliant 2035 LRTPs they were encouraged to share completed sections of their LRTP with the FHWA planner so they could be reviewed early in the process to ensure that the SAFETEA-LU revisions meet the regulation.

- EPA requested that the draft conformity determination reports (CDRs) be provided to them as soon as they are available. Preferably several days before the draft CDRs are released for public review and comment.
- NCDAQ mentioned that they are currently working on a 1-hour ozone SIP revision for the Triad Area. The purpose is to provide additional safety margins for the MVEBs. The regional emission analysis for this conformity process will need to include an emissions comparison to these MVEBs just in case that the MVEBs are approved by EPA prior to 10/1/08.

Action Items

- FCEAD will meet with NCDAQ to discuss who will do the emission factor development work for the Triad Area.
 - FCEAD spoke to NCDAQ about the emission development work for the Triad Area and NCDAQ agreed that FCEAD would do the emission factor development work with NCDAQ assistance. **Action item completed**
- MPOs will provide their project lists to FHWA by 12/3/07, so that the interagency partners can review the regionally significant and exempt project to ensure that everyone agrees with the MPO recommendations
- PART will schedule monthly transportation conformity process status meetings with the interagency consultation partners to monitor progress and to address any issues. **The next meeting is scheduled for 11/30/07 at 10:00am (PART Office)-more details will be provided one week before the meeting.**

Triad Area IC Meeting Minutes
8/26/08

Meeting Attendees (Via Teleconference)

Lydia McIntyre (GUAMPO)	Mike Abuya (NCDOT)
Behshad Norowzi (NCDOT)	Scott Rhine (PART)
Eddie Dancausse (FHWA)	Terry Arellano (NCDOT)
Attefe Northcut (NCDOT)	Mike Bruff (NCDOT)
Wendy Miller (WSMPO)	Derry Schmidt (NCDOT)
Amanetta Wood (EPA)	Fred Haith (WSMPO)
Andy Bailey (NCDOT)	Paul Schroeder (NCDOT)
Janice Godfrey (DAQ)	David Hyder (HMPO)
Heather Hildebrandt (DAQ)	Pat Regan (FCEAD)
Wayne Davis (NCDOT)	Greg Errett (WSMPO)

Summary

□ **Conformity Update**

- 2009-2015 TIP
 - Scott provided an overview of documentation developed and that which is needed to be forwarded to FHWA for distribution to federal agencies for final review. The items needed for final document preparation are listed below:
 - Newspaper Advertising Affidavits
 - BGMPO, HPMPO, GUAMPO, WSMPO
 - Agency review and Public Comments and Responses
 - BGMPO, HPMPO, GUAMPO, WSMPO
 - NCDOT Letter from Secretary of Transportation
 - MPO TAC Resolutions for TIP and Conformity Report
 - BGMPO, HPMPO, GUAMPO, WSMPO
 - It was also noted to insert state and federal agency comments into the appropriate appendix of the final report prior to distribution.
- Triad MPO LRTP
 - Scott opened discussions on what activities have occurred, and those additional items that need addresses for the LRTP release and accompanying conformity document to proceed.
 - Verification was given that emission factors are within acceptable range to meet SIP budgets for all horizon years.
 - Verification was given that SIP Budgets have been approved.
 - FHWA will distribute a letter to all agencies identifying that the LRTP has lapsed.
 - NCDOT will deliver to NCDAQ all model related files.
 - Scott will compile necessary documentation to have the LRTP Conformity document ready for public release mid September.

- High Point and Greensboro MPO will release the two documents in September and have MPO TAC occur in the October and November timeframe.
- WSMPO and BGMPO will plan for MPO TAC adoption in January.
- An updated Consensus plan and conformity schedule will be distributed to all IC partners.
- Next Steps – TIP Conformity Report
 - Scott will communicate with MPO's and NCDOT on needed files for final report preparation and distribute to all IC partners.
 - Report will be distributed no later than September 2, 2008.
- Next Steps – LRTP, Conformity Report
 - Everyone decided to move forward to Public Review with the LRTP and Conformity Report since ozone is now within acceptable range and conforming.
 - HPMPO, GUAMPO, BGMPO will be releasing public review in Mid-September.
 - WSMPO will release in the November-December timeframe
 - Scott will compile all outstanding documents and distribute draft conformity report to all partners by mid-September.
 - PART and FHWA will update the conformity schedule and consensus plan.

Action Items

- MPO's will provide to PART all related files for inclusion in to the Conformity reports for both TIP and LRTP.
- NCDOT will deliver letter for rural portions of Davidson and Davie Counties for the TIP Conformity.
- PART will distribute the TIP conformity report to all IC partners.
- PART and FHWA will update the consensus plan and the conformity schedule for the LRTP.
- MPO's will schedule and conduct their public participation meeting for the LRTP and conformity report.
- NCDOT will share the 2035 LRTP Update/Conformity Determination Regional Emissions Analysis files with NCDAQ (Hildebrandt), EPA (Wood) and EPA (Dancausse)
- NCDOT coordinators will check to make sure that all of the LRTPs are coordinated at the MPO boundaries.

Triad Area IC Meeting Minutes
7/3/08

Meeting Attendees (Via Teleconference)

Lydia McIntyre (GUAMPO)
Tyler Meyer (GUAMPO)
Eddie Dancausse (FHWA)
Phil Conrad (BGMPO)
Wendy Miller (WSMPO)
Amanetta Wood (EPA)
Andy Bailey (NCDOT)
Janice Godfrey (DAQ)
Laura Boothe (DAQ)
Wayne Davis (NCDOT)

Mike Abuya (NCDOT)
Behshad Norowzi (NCDOT)
Terry Arellano (NCDOT)
Mike Bruff (NCDOT)
Derry Schmidt (NCDOT)
Alena Cook (NCDOT)
Paul Schroeder (NCDOT)
David Hyder (HMPO)
Pat Regan (FCEAD)
Van Sullivan (FCEAD)

Summary

□ **Conformity Update**

- Vehicle Mix
 - Behshad noted the 2008 vehicle mix had been applied for the 2010 1 hr ozone emissions analysis. The results show Guilford County exceeding by 1 ton. Noted it had not been applied to the 2012 network year.
 - Janice, with verification from Pat, noted it was agreed to use the 2008 vehicle mix only for 2010 network analysis.
 - Behshad noted the analysis did not include the adjustments to the Mobile 6.2 default values
- # Starts by vehicle class
 - Behshad responded to DAQ questions on vehicle start data just prior to the conference call
 - Janice inquired if actual vehicle registration data had been used vs. the linc data
 - Behshad noted if use DMV info advantageous because emission factors would be lower. Consider the current method more conservative. Note DMV data only has 3 years of data (2005,2006, and 2007, 2004 not available). DMV data would require extrapolation for future years based on smaller data set. Linc data has a larger data set.
- Additional Option(Relative Humidity)
 - Behshad noted that previous conformity analysis allowed the relative humidity to be adjusted to reflect local conditions in Mobile 6.2.
 - Laura noted this was allowed previously because that particularly budget was based on Mobile 5. But the Triad budget was based on Mobile 6.2.

- Amanetta noted must use the same parameters used to set budget, so this was not an option.
- Additional Option (Time Day Model outputs)
 - Behshad also noted another option could be to look at VMT and speeds at a disaggregate level. This means looking at data on hourly bases vs. daily, which is the current method.
- Additional Option (Vehicle Registration Data)
 - Mike asked DAQ to consider using vehicle registration data to revise Mobile 6.2 default values. Noted registration data is showing .70 for LDV and .37 -.39 for LDT.
 - DAQ and EPA would review after getting more information on the request
 - Mike state he was not suggested one vehicle mix for roadway classes, but would use Mobile 6.2 values.
 - Mike request was based on FHWA study in Idaho – will forward to FHWA, DAQ, and EPA
- Next Steps – Conformity Analysis
 - Will get decision from DAQ on vehicle start data and methodology
 - If get agreement from DAQ, will revise Mobile 6.2 default values and run conformity for 2010.
 - If still unable to reach conformity will explore additional options discussed earlier
 - Laura and Amanetta suggested will need to apply to all network years and Behshad agreed they would after doing the 2010 analysis.
 - May have results on Monday depending on DAQ response
 - NCDOT will inform everyone of the results
 - Amanetta noted NCDOT needs to make sure they are comparing to the new 1 hour budget
- Next Steps – LRTP, MTIP, Conformity Report
 - Everyone decided to move forward to Public Review with the MTIP and Conformity Report only
 - NCDOT will still work towards conforming
 - MPOs agreed to going out on July 17th and that information needs to be finalized by Monday so Ads can be submitted to papers.
 - Wendy noted she was still waiting to get the project phase list from NCDOT
 - Wayne stated the information would go out after the meeting
 - Eddie noted will make revisions to Winston’s Project U-2925 and send agency comments back out and if you have issues to let him know.
 - Follow up call on Monday, July 7th at 2:30 to discuss the document and public review material including Scott Rhine.

Action Items

- DAQ give NCDOT response on Vehicle start data and permission to use for Mobile default values
- Mike request was based on FHWA study in Idaho – will forward to FHWA, DAQ, and EPA
- NCDOT will inform everyone of the results for 2010 conformity
- Amanetta noted NCDOT needs to make sure they are comparing to the new 1 hour budget
- Wayne stated the information would go out after the meeting
- Eddie noted will make revisions to Winston's Project U-2925 and send agency comments back out and if you have issues to let him know.
- Follow up call on Monday, July 7th at 2:30 to discuss the document and public review material including Scott Rhine.

Triad Area IC Meeting Minutes
6/19/08

Meeting Attendees (Via Teleconference)

Scott Rhine, Mike Nunn, Lydia McIntyre, Fred Haith, Greg Errett, Kelly Sheckler, Mark Smith, Micheal Abuya, Atefee Northcutt, Andy Bailey, Paul Schroeder, Janice Godfrey, Pat Reagan, Phil Conrad, David Hyder, Beshad Norowitz, Phyllis Jones, Vicki Chandler, Sheilla Holman. Loretta Barren, Bill Marley, Eddie Dancausse.

Summary

Provided below is a summary of the two options (plus some additional notes) on dealing with not meeting the SIP MVEBs for Guilford County.

Option #1:

Develop number of starts/trips by counties to replace the defaults in MOBILE 6.

Option #2

Re-examine the NCDAQ vehicle mix and apply the EPA Guidance. NCDOT and NCDAQ will meet/share data and discuss this item.

Reasons for re-examining this data are:

- Increased SUVs
- Decreased passenger vehicles
- Newer information for trends based on gasoline prices

If one or both of these options is executed then it would require re-running the emission factors and re-doing the regional emissions analysis.

Results

Option #1 – Still under review between NCDOT and NCDENR-DAQ. A proposed approach was presented to analyze the VMT and cost of fuel that has shown increases. A proposed elasticity test to show a reduction in VMT due to the higher increase in fuel is being prepared by HP MPO for consideration.

Option #2 – Is not completely agreed upon between NCDOT and NCDENR-DAQ. Further analysis is being conducted.

Action Items

- Next schedule meeting/conference call June 27, 2008 at 9:30 am.

Triad Area IC Meeting Minutes **6/27/08**

Meeting Attendees (Via Teleconference)

Scott Rhine, Lydia McIntyre, Fred Haith, Wendy Miller, Amenetta Wood, Diane Smith, Micheal Abuya, Atefee Northcutt, Andy Bailey, Paul Schroeder, Janice Godfrey, Pat Reagan, Phil Conrad, David Hyder, Beshad Norowitz, Phyllis Jones, Bill Holman. Loretta Barren, Bill Marley.

Summary

As a continuation of the discussions held on June 19, 2008, Scott Rhine opened the discussions with the first topic being the results of the Elasticity test performed by HP MPO on the reduction of VMT due to the high cost of fuel.

EPA recognizes the increase in fuel, but is unable to accept the results due to a lack of any historical data. Therefore, the elasticity test will not be used for the 2010 MVEB.

The next item for discussion was the continuation of potentially changing the vehicle mix. It has been agreed upon by all agencies that the 2008 vehicle mix worksheet will be used as a surrogate for 2010. This updated vehicle mix file will be given to Forsyth County Environmental Affairs Department to conduct a new emission factor for 2010 in Guilford County.

Once completed, the results will be forwarded to PART, NCDOT, and NCDENR-DAQ. DAQ will review the results and notify agencies of the review. Following the review of DAQ, NCDOT will be asked to compare the results with the MVEB for the Regional Emissions Analysis for Guilford County for 2010.

A conference call has been established for July 3, 2008 to discuss the results from NCDOT.

Discussion continued on the potential need to show conformity of the 2009-15 STIP. It was discussed that in order to show conformity of the STIP that each MPO may need to utilize their existing 2030 LRTP. FHWA will prepare a list of projects to be reviewed by agencies as a contingency plan in case conformity can not be achieved for the 2035 LRTP's under development. A conference call has been established for July 2, 2008 to review the project list from each MPO 2030 LRTP currently in place as it relates to the 2009-15 STIP.

Action Items

- ❑ Next schedule meeting/conference call July 2, 2008 at 9:00 am to review project lists related to the existing LRTP and 2009-15 STIP.
- ❑ Next Scheduled meeting/conference call July 3, 2008 at 1:00 pm to discuss results of the latest REA for horizon year 2010.

Triad Area IC Meeting Minutes
6/12/08

Meeting Attendees (Via Teleconference)

Scott Rhine, Eddie Dancausse, Mike Nunn, Lydia McIntyre, Fred Haith, Greg Errett, Amanetta Wood, NCDOT MPO coordinators (Wayne Davis, Micheal Abuya/Atefee Northcutt/Andy Bailey), Janice Godfrey, Cary Gentry, David Hyder, Van Sullivan, Beshad Norowitz, Laura Booth.

Summary

Emission Factor Development

- ❑ FCEAD has completed air quality emission factor development for horizon years 2010 and 2012.
- ❑ NCDENR-DAQ Has completed their review and acceptance of the 2010 and 2012 emission factor.
- ❑ NCDOT is working on the Regional Emission Analysis (REA) for both rural and urban projects for horizon years 2010 and 2025.
- ❑ All results, and tables will be forwarded to PART for inclusion into the appropriate sections of the Triad Conformity Determination Report.
- ❑

Provided below is a summary of the two options (plus some additional notes) on dealing with not meeting the SIP MVEBs for Guilford County.

Option #1:

Develop number of starts/trips by counties to replace the defaults in MOBILE 6.

Option #2

Re-examine the NCDAQ vehicle mix and apply the EPA Guidance. NCDOT and NCDAQ will meet/share data and discuss this item.

Reasons for re-examining this data are:

- Increased SUVs
- Decreased passenger vehicles
- Newer information for trends based on gasoline prices

If one or both of these options is executed then it would require re-running the emission factors and re-doing the regional emissions analysis.

Revised Pre-Analysis Consensus Plan

- ❑ No modifications have been made to the Consensus Plan.

Action Items

- ❑ Next schedule meeting/conference call June 20, 2008 at 2:30 pm.
- ❑ FHWA will draft a conformity process schedule showing a review and comment period beginning on 7/15/08, and it will be discussed at the next meeting on 6/19 at 2:30pm.

Triad Area IC Meeting Minutes 5/19/08

Meeting Attendees (Via Teleconference)

Scott Rhine, Eddie Dancausse, Phil Conrad, Lydia McIntyre, Fred Haith, Wendy Miller, Greg Errett, Amanetta Wood, NCDOT MPO coordinators (Wayne Davis, Micheal Abuya/Atefee Northcutt/Andy Bailey), Bill Marley, Janice Godfrey, Greg Venable.

Summary

BG MPO

- ❑ MPO adoption of LRTP, MTIP and Conformity determination has been set for August 19, 2008.
- ❑ Release for public comments will occur in June-July.
- ❑ LRTP chapters have been forwarded to FHWA for review/comment.

WS MPO

- ❑ Public participation is presently scheduled to begin June 2.
- ❑ LRTP draft document is being forwarded to FHWA for review.
- ❑ MPO adoption dates scheduled to occur in late July, early August.

HP MPO

- ❑ Draft document chapters are being delivered to FHWA for review
- ❑ MPO adoption scheduled for August 26, but may occur earlier.

Gboro MPO

- ❑ Holding public meeting on June 9.
- ❑ Draft document is being forwarded to FHWA for review.
- ❑ MPO adoption planned for early August.

Regional Model Update:

- ❑ Additional model work was needed for horizon years 2009, and 2015. Specific projects that affected to VMT and Speeds were inadvertently included in these horizon years when MPO staff reviewed results of model outputs.
- ❑ All model related work has been completed and summary tables have been delivered to FCEAD, DAQ, FHWA, and NCDOT.

Emission Factor Development

- ❑ FCEAD has completed air quality emission factor development for horizon years 2025 and 2035. FCEAD will conduct the new emission factor development for 2009 and 2015 with the deletion of the project aforementioned above.
- ❑ FCEAD will finalize there work of emission factor development by 5/20/08.
- ❑ NCDENR-DAQ will conduct their review of the 2009, 2015 emission factors by 5/23/08.
- ❑ NCDOT has completed the Regional Emission Analysis (REA) for both rural and urban projects for horizon years 2025 and 2035.

- NCDOT will begin their REA immediately following NCDENR-DAQ acceptance for horizon years 2009, 2015.
- All results, and tables will be forwarded to PART for inclusion into the appropriate sections of the Triad Conformity Determination Report.

L RTP Update – SAFETEA-LU Sections

- Confirmed that Burlington-Graham, Greensboro, MPO and WS MPO have begun sending sections for review. High Point MPO needs to finalize their submissions to FHWA for review.

Revised Pre-Analysis Consensus Plan

- No modifications have been made to the Consensus Plan.

Action Items

- MPOs will provide FHWA (Bill) with the different sections of the LRTPs so FHWA can assist the MPOs with early review of the completed LRTP sections.
- There will be a sub-group meeting between NCDOT and FHWA on 5/21/08 to discuss the REA for 2010 and 2012, and the potential issue of not showing conformity in Davidson and Guilford Counties of Ozone via interpolation of horizon year 2015.
- Next schedule meeting/conference call May 22, 2008 at 3:00 pm.

Triad Area IC Meeting Minutes **3/14/08**

Meeting Attendees (Via Teleconference)

Scott Rhine, Eddie Dancausse, Terry Arellano, Lydia McIntyre, Fred Haith, Wendy Miller, Lakesha Dunbar, Greg Errett, Phyllis Jones, Amanetta Wood, NCDOT MPO coordinators (Micheal Abuya/Atefee Northcutt/Andy Bailey), NCDOT modelers (Paul Shroeder), Bill Marley, Heather Hildebrandt, Janice Godfrey, David Hyder.

Summary

BG MPO

- ❑ Unable to attend this months meeting.
- ❑ Follow up discussions revealed that public meetings have been set for March 25 and March 26.
- ❑ Draft report, CTP maps, and draft TIP will be on display.
- ❑ Public survey will also be solicited as part of the meeting schedule.
- ❑ MPO adoption of LRTP and Conformity determination has not been set.

WS MPO

- ❑ Public participation was conducted on March 13.
- ❑ LRTP draft document scheduled for completion by early May.
- ❑ MPO adoption dates scheduled to occur in late July, early August

HP MPO

- ❑ Draft document nearing completion need to do CMP. Scheduled to complete by mid April.
- ❑ MPO adoption scheduled for August 26, but may occur earlier.

Gboro MPO

- ❑ Held public meeting on February 10.
- ❑ Draft document scheduled for completion by end of March.
- ❑ Another public meeting scheduled for June 9.
- ❑ MPO adoption planned for early August.
- ❑ LRTP and Draft CDR out for public review and comment on 6/9/08.

Regional Model Update:

- ❑ All model related work has been completed and summary tables have been delivered to FCEAD, DAQ, FHWA, and NCDOT.

Emission Factor Development

- ❑ Representatives of FCEAD were unable to attend meeting.

LRTP Update – SAFETEA-LU Sections

- ❑ Confirmed that Gboro MPO and WS MPO have begun sending sections for review.

- Need to receive Congestion Mitigation plans.
- Will research and provide additional information/guidance for Environmental Mitigation.

Revised Pre-Analysis Consensus Plan

- A review was given of the updated plan (dated 2/28/08)

Action Items

- MPOs will provide FHWA (Bill) with the different sections of the LRTPs so FHWA can assist the MPOs with early review of the completed LRTP sections.
- PART needs to touch base with the Burlington Graham MPO and make sure that the TACs will release the draft conformity determination reports for public review and comment and also the dates for the final LRTP adoptions/conformity determinations on the CPS are still valid.
- Provide FHWA with the LRTP documentation related to Environmental Mitigation planning and FHWA will assist with developing the documentation. The FHWA guidance will probably not be available until the Triad Area completes the LRTP updates.
- PART will begin work on the Draft Triad Area LRTP update/09-15 TIP CDR
- Next schedule meeting/conference call April 24, 2008 at 10:00 am.

Triad Area IC Meeting Minutes
2/8/08

Meeting Attendees (Via Teleconference)

Scott Rhine, Pat Reagan, Eddie Dancausse, Terry Arellano, Lydia McIntyre, Fred Haith, Wendy Miller, Lakesha Dunbar, Greg Errett, Margaret Bassett, Phyllis Jones, Amanetta Wood, NCDOT MPO coordinators (Micheal Abuya/Atefee Northcutt/Andy Bailey/Wayne Davis), NCDOT modelers (Paul Shroeder), Bill Marley, Heather Hildebrandt, Janice Godfrey, Mark Smith.

Summary

GBORO MPO

- ❑ Advertised and conducting public meeting for MTIP and LRTP on Feb. 12, 2008.
- ❑ Updating project codes for LRTP.
- ❑ Nearing completion of Environmental Mitigation section.

WS MPO

- ❑ Checking all projects listed for accuracy.
- ❑ Planning public meeting in mid March.
- ❑ Finalizing MTIP and CTP for public review.
- ❑ Planning for TAC adoption on July 17, 2008.

HP MPO

- ❑ Was not on teleconference.

BG MPO

- ❑ Was not on teleconference.

Regional Model Update:

- ❑ Networks are complete
- ❑ Route system layers are complete.
- ❑ Base year and E+C network model runs have been completed.
- ❑ Model runs in the February time frames are still on schedule.

FHWA

- ❑ Confirmed that MPO's received FHWA guidance on SAFETEA-LU requirements for LRTP updating.
- ❑ Will research and provide additional information/guidance for Environmental Mitigation.
- ❑ Overall schedule on track for development of environmental documentation.
- ❑ Will work with NCDOT on finalizing regional emissions analysis tasks to be completed.
- ❑ FHWA asked EPA when they thought that the motor vehicle emissions budgets (MVEBs) might be approved for the Triad PM2.5 SIP. EPA mentioned that they were not sure on an anticipated approval date because it all depends on the SIP

package that NCDAQ submits and their position related to the insignificance finding of the PM 2.5 precursors. FHWA reminded the group that for the draft conformity determination report there would need to be a regional emissions analysis (REA) for two scenarios related to PM 2.5 standard. There would need to be a REA using the interim emissions test (this is what was done for the PM 2.5 conformity process that was completed on 4.5.06) and a REA using the proposed PM 2.5 SIP MVEBs. FHWA will update the Triad area consensus plan to include the proposed PM2.5 SIP MVEBs (at the time the consensus plan was originally completed the PM 2.5 SIP MVEBS were not developed).

- If the PM2.5 SIP MVEBs are not approved prior to 10.1.08, then the Triad will have to a comparison to the MVEBs within 2 year of their approval by EPA or the Triad area's next conformity determination (which ever comes first).
- FHWA went over agency comments for the agency review of the Triad Area regionally significant and exempt project lists. All the IC partners (EPA/FTA/FHWA/NCDAQ) were satisfied with the MPOs reply to their comments.

NCDAQ:

The narrative of the pre-hearing draft of “The NC Fine Particulate Matter Attainment Demonstration for the Hickory and Triad Area” will be posted on the NCDAQ website on 2/13/08.

Action Items

- MPOs will provide FHWA (Bill) with completion dates for the different sections of the LRTPs so FHWA can assist the MPOs with early review of the completed LRTP sections.
- Need the dates that the Greensboro and High Point MPO TACs will release the draft conformity determination reports for public review and comment and also the dates for the final LRTP adoptions/conformity determinations.
- FHWA will provide additional guidance on Environmental Mitigation planning.
- FHWA and NCDOT will finalize plans for compilation of regional emissions analysis.
- EPA/FHWA/NCDAQ need to monitor the status of the PM2.5 SIP and keep this group updated on the approval of the document.
- Next schedule meeting/conference call March 14, 2008 at 10:00 am.

Triad Area IC Meeting
1/4/08

Meeting Attendees

Phil Conrad, Scott Rhine, Pat Reagan, Van Sullivan, Eddie Dancausse, Terry Arellano, Dan Thomas, Lydia McIntyre, Fred Haith, Wendy Miller, Lakesha Dunbar,

Attendees Via Teleconference

Phyllis Jones, Amanetta Wood, NCDOT MPO coordinators (Micheal Abuya/Atefee Northcutt/Andy Bailey/ Wayne Davis), (NCDOT modelers (Paul Shroeder, Tae-gyu Kim), David Hyder, Margaret Bassett, Bill Marley, George Bridges.

Summary

GBORO MPO

- ❑ Revised project list, and exempt project list and forward to Eddie.
- ❑ Revised Model Network.
- ❑ Near completion of Environmental Mitigation section.
- ❑ Scheduled public review session for Feb. 12, 2008.

WS MPO

- ❑ Developed projects for freight, Bike/Ped, and linked them to horizon years.
- ❑ Finalizing Congestion management, Bike/Ped, and Environmental Justice plans by January/February.
- ❑ Revised project list, and exempt project list and forwarded to Eddie.

HP MPO

- ❑ Revised project list, and exempt project list and forwarded to Eddie.
- ❑ Working on congestion management plan.
- ❑ Working on Bicycle plan
- ❑ Working on E+C networks
- ❑ Reviewing all transit routes

BG MPO

- ❑ Revised project list, and exempt project list and forwarded to Eddie.
- ❑ Resolve Model Network questions.
- ❑ Pubic participation plan pulled together. Will have public workshop in February

Regional Model Update:

- ❑ Work is progressing/networks under review and adjusted/work begun on base yr assignments/external trip 09/25, SE data is model ready.
- ❑ Route system layers are complete.
- ❑ E+C network being finalized.
- ❑ Model runs in the February time frames are still on schedule.
- ❑ Model team has all the information that is needed from the MPOs/NCDOT at this point in the process

FHWA

FHWA/NCDOT: Will attempt to work with MPOs to implement the following:

- ❑ MPOs LRTP project lists should contain a column that shows:
 - project index number
 - Is the project regionally significant (Y/N)
 - Is the project exempt (Y/N) and if exempt show the exemption 40 CFR 93.126, 127 or 128
- ❑ For the general category projects (where there is a general dollar amount for the project types and not a specific project) place that project category in the LRTP project list and assign it an index number. Examples of these project types (from the STIP) are: E, C, K, S, F, W, TJ, TL, TR, EE, EB and P
- ❑ Project terminus and mileage within the MPO boundary
- ❑ Exempt bridge projects where there is no added capacity should include the words in the project description. Include the following statement in MTIP “no added capacity” for the following categories (by definition if this is the sole funding there cannot be additional capacity): FA, NFA, NFAM
Provide index numbers for bridge projects that are capacity adding.
- ❑ Add project index numbers (from the LRTP project list) to the identical project in the TIPs

NCDOT will attempt to develop a project list for the donut area projects (the area outside the MPO boundary but within the non-attainment or maintenance area) similar to what the Metrolina Area did for its donut areas and also covering the items mentioned below:

- ❑ Donut area project lists should contain a column that shows:
 - project index number
 - Is the project regionally significant (Y/N)
 - Is the project exempt (Y/N) and if exempt show the exemption 40 CFR 93.126, 127 or 128
- ❑ For the general category projects (where there is a general dollar amount for the project types and not a specific project) place that project category in the donut project list and assign it an index number. Examples of these project types (from the STIP) are: E, C, K, S, F, W, TJ, TL, TR, EE, EB and P
- ❑ Project terminus and mileage within the donut area county boundary
- ❑ Exempt bridge projects where there is no added capacity should include the words in the project description “no added capacity”

Other:

None

Action Items

- ❑ Regional efforts regarding future revenue-PART coordinate
- ❑ FHWA will send out Regionally Significant / Exempt project list.
- ❑ MPO will provide meeting schedules of MPO’s for public release dates and MPO adoption dates of the plans and conformity determinations.

- Lydia McIntyre will send out the latest project list (including the regionally significant and exempt project lists) for the Greensboro MPO to FHWA (Eddie) by 1/9/07.
- MPOs will provide FHWA (Eddie) with completion dates for the different sections of the LRTPs so FHWA can assist the MPOs with early review of the completed LRTP sections.
- Lydia McIntyre will send out an email to the Triad Area MPOs on E + C.
- FHWA, NCDOT and EPA met on 12/13/07, to discuss EPA's comments on the 09-15 TIP comparison to the LRTPs. FHWA will send out these meeting minutes to the Triad Area IC partners. The meeting minutes include recommendations that EPA would like to see the MPOs incorporate during their LRTP updates.

Triad Area Transportation Conformity:
Pre-Analysis Consensus Plan (CO, 1-Hour Ozone & PM2.5)

October 30, 2007 (*VERSION*)

REVISIONS

November 13, 2007

February 1, 2008

February 28, 2008

March 27, 2008

April 1, 2008

May 22, 2008

September 12, 2008

**Prepared Cooperatively Between the
Burlington-Graham Urbanized Area MPO
Greensboro Urbanized Area MPO
High Point Urbanized Area MPO
Winston-Salem Urbanized Area MPO
Piedmont Authority for Regional Transportation
North Carolina Department of Transportation
and the
Federal Highway Administration**

**Triad Area Transportation Conformity:
Pre-Analysis Consensus Plan**

October 30, 2007

Revised

November 13, 2007

February 1, 2008

February 28, 2008

March 27, 2008

April 1, 2008

May 22, 2008

The Burlington-Graham Urbanized Area Metropolitan Planning Organization (BGMPO), Greensboro Urbanized Area MPO (GUAMPO), High Point Urbanized Area MPO (HPMPO), Winston-Salem Urbanized Area MPO (WSMPO), The Piedmont Authority for Regional Transportation (PART), and the North Carolina Department of Transportation (NCDOT-representing rural portions of the Triad non-attainment area) are proposing the following plan and procedures to conduct a transportation conformity analysis. This plan is being submitted to the interagency consultation partners for soliciting consensus before commencement of a full-scale transportation conformity analysis. The plans and procedures may be revised as the MPO's and NCDOT proceed with the analysis. After consensus is reached; notification of changes will be made to the interagency consultation partners.

Triad Area MPOs:

- Burlington-Graham Urbanized Area Metropolitan Planning Organization (BGMPO)
- Greensboro Urbanized Area MPO (GUAMPO)
- High Point Urbanized Area MPO (HPMPO)
- Winston-Salem Urbanized Area MPO (WSMPO)

Donut Areas:

- Rural portion of Davidson county outside of the MPO area
- Rural portion of Davie county outside of the MPO area

The following pollutants will be included in this conformity determination:

- 1-hour ozone (1-hour O3)
- Carbon Monoxide (CO)
- Particulate Matter 2.5 (PM 2.5)

Long Range Transportation Plan (LRTP) and Metropolitan Transportation Improvement Program (MTIP)

1. Existing Land Use and Demographics: For GUAMPO, HPMPO, WSMPO and BGMPO

The existing Piedmont Triad Regional Model (PTRM) had an Urban Socioeconomic Data Forecasting Project Document, that utilized a three-step forecasting approach to develop socioeconomic (SE) data and applied to sub areas and TAZ's for each of the MPO's. The project used a base year of 2002, and a horizon year of 2035. The three-step demographic forecasting approach took into account municipal long range land use and transportation plans in conjunction with external data resources to develop a consensus of growth for the four MPO's.

The 2000 Census data and a multitude of local, state, and national data resources has been used to update this model. The updated model has a horizon year of 2035 with two interim years of 2015 and 2025.

2. LRTP Model Validation (Base) Year:

TDM base year: 2002

Conformity base year: 2002

3. MTIP Years: 2009 – 2015

The MTIP years for the Triad Area 2035 LRTP updates/conformity process is 2009-2015. The 07-13 MTIP will not apply to this conformity process because the USDOT conformity determination for both the Triad Area 2035 LRTP updates and 2009-2015 MTIP will take place on October 1, 2008. The existing conforming 2030 LRTPs and the 07-13 MTIP will remain in place until September 30, 2008. The work associated with the 2035 LRTP updates, the 09-15 MTIPs, and their associated conformity determination process does not impact the currently conforming 2030 LRTPs and the 07-13 MTIPs.

4. LRTP Horizon Year: 2035

5. LRTP Travel Demand Intermediate Years:

2009, 2015, 2025 & 2035

6. Transportation Conformity Analysis Years (1-Hour Ozone, CO and PM 2.5)

The Table below summarizes transportation conformity analysis methods and years for the different parts of the Triad non-attainment/maintenance areas. Specific conformity year information is listed in the following table:

County	Area model status	Area emissions budget status	Emissions analysis source	Emission comparison years						
				2002 ¹ Baseline	2009 ²	2010	2012	2015	2025	2035 Horizon
Guilford	modeled all	03-Yes PM2.5-to EPA by 4.5.08	TDM	PM2.5	PM2.5	O3	O3	PM2.5 O3	PM2.5 O3	PM2.5 O3
Davidson	modeled area	03-Yes PM2.5-to EPA by 4.5.08	TDM	PM2.5	PM2.5	O3	O3	PM2.5 O3	PM2.5 O3	PM2.5 O3
	rural area	03-Yes PM2.5-to EPA by 4.5.08	rural spreadsheet	PM2.5	PM2.5	O3	O3	PM2.5 O3	PM2.5 O3	PM2.5 O3
Forsyth	modeled all	03-Yes PM2.5-to EPA by 4.5.08	TDM			O3	O3	CO O3	CO O3	CO O3
Davie	rural area	03-Yes	rural spreadsheet			O3	O3	O3	O3	O3

Footnotes for table:

¹ Until the PM2.5 SIP MVEBs are found adequate or approved we will need to demonstrate conformity using the less than 2002 baseline test

² PM2.5 attainment date in the SIP that NCDQA will submit to EPA by 4/5/08. Also need an analysis yr with 5 yrs of when a conformity determination is done for interim emissions test

Additional table notes and explanations:

County:

- ❑ 1- Hour Ozone: The Triad ozone maintenance area consists of 3 whole counties (Guilford, Davidson and Forsyth) plus one partial county (Davie). The ozone maintenance area includes two donut areas (Davidson and Davie) represented by the NCDOT in cooperation with the Piedmont Triad Rural Planning Organization (RPO) and the Northwest Piedmont RPO.
- ❑ CO: The Triad CO maintenance area consists of one whole county (Forsyth)
- ❑ PM 2.5: The Triad PM 2.5 non-attainment area consists of 2 counties (Guilford and Davidson) and one donut area (Davidson)

**Note: a donut area is an area outside the MPO boundary but within the non-attainment/maintenance area.*

Model Status: Guilford and Forsyth counties are completely within the Piedmont Triad Regional Model (PTRM) boundary. Davidson is partially covered by the PTRM. NCDOT will analyze the parts of Davidson and Davie Counties outside the model boundary using the NCDOT rural spreadsheet.

**Note: The PTRM covers a portion of Davie County but does not cover any of the maintenance area of Davie County. For the maintenance area of Davie County the NCDOT rural spreadsheet will be used to calculate the VMT and Speeds*

Emissions analysis source: Vehicle Miles Traveled (VMT) and speeds for the regional emissions analysis (REA) will be derived from the PTRM where it is available. For the donut portion of Davidson and Davie counties VMT and speeds will come from the NCDOT rural spreadsheet.

Emissions analysis years: The Triad area has State Implementation Plans (SIPs) for the 1-hour ozone and CO standards. The North Carolina Division of Air Quality (NCDAQ) is developing a SIP for the PM 2.5 standard that is due to the Environmental Protection Agency (EPA) by April 5, 2008.

Note: Areas without MVEBs must conduct an interim emissions test (40 CFR 93.118) have one analysis year within 5 years of the conformity determination (which will occur in 2008). No area will have a gap larger than 10 years. The baseline and horizon years must be analyzed.

Emission Comparison Years:

- 1-hour ozone: The Triad area currently has SIP MVEBs for the 1-hour ozone standard. NCDAQ is currently working on a SIP revision for the 1-hour ozone standard to increase the safety margins for the maintenance counties in the Triad Area and will be submitted to EPA by November 2007. In order to be prepared for both SIP scenarios for this Triad Area conformity process (if the SIP revision is approved before October 1, 2008) the REA will need to show comparisons for both existing SIP MVEBs and the revised SIP MVEBs. Towards the end of this conformity process we will pull out the SIP MVEBs that are no longer applicable and use only the SIP MVEBs that are approved.
 - *EPA provided the following update on this the 1-hour ozone (safety margin SIP revision) on 3/20/08: "The effective date of the Update of the Triad/Triangle 1-hour MVEBs rulemaking will be effective 60 days from publication. We anticipate that publication will be no later than April 2, 2008. It was our understanding that the transportation partners planned to send the transportation conformity determinations using these budgets out to the public around June 2, 2008. With that said, the effective date will be right on target."*
 - ***FHWA commentary: Based on this information I think we are safe using the emission comparison years provided below for the 1-hour ozone (safety margin SIP revision) and the MVEBs in Section 11 for the REA. There is no need to do a comparison to the 1-hour ozone (existing/current SIP) budgets:***
 - 1-hour ozone (safety margin SIP revision): 2009 (modeled), 2010 (modeled-2010 Motor Vehicle Emissions Budget (MVEB)), 2012 (modeled-2012 MVEB), 2015 (modeled- 2015 MVEB), 2025 (modeled-compare to 2015 MVEB) and 2035 (modeled-compare to 2015 MVEB)
 - CO: 2015 (modeled-2015 MVEB), 2025 (modeled-compare to 2015 MVEB) and 2035 (modeled-compare to 2015 MVEB)
 - PM2.5: since it is not known for certain (but the chance exists) that the PM2.5 SIP MVEBs will be found adequate or approved prior to October 1, 2008, a regional emissions analysis will need to be conducted using both the less than 2002 baseline interim emissions test (40 CFR 93.119) and the proposed MVEBs (40 CFR 93.118).
 - Interim emissions tests (less than 2002 baseline): 2002 (modeled-baseline year), 2009 (modeled-baseline year), 2015 (modeled-compare to 2002 baseline), 2025 (modeled-compare to 2002 baseline) and 2035 (modeled-compare to 2002 baseline)

List of Specific Conformity Years (safety margin SIP revision 1-hour ozone SIP)

- a. Horizon: 2035
- b. SIP Budget Years: 2010, 2012 & 2015
- c. Emission comparison years: 2009, 2010, 2012, 2015, 2025 & 2035

List of Specific Conformity Years (CO SIP)

- a. Horizon: 2035
- b. SIP Budget Years: 2015
- c. Emission comparison years: 2015, 2025 & 2035

List of Specific Conformity Years (PM 2.5 Interim Emissions Test-less than 2002 baseline)

- a. Baseline 2002 (LRTP and conformity)
- b. Horizon: 2035
- c. Emission comparison years: 2009, 2015, 2025 & 2035

7. Non-attainment / Maintenance Counties:

Ozone Maintenance Counties: Guilford, Davidson, Forsyth and Davie (partial)

CO Maintenance County: Forsyth

PM 2.5 Non-attainment Counties: Guilford and Davidson

8. Travel Demand Model: Piedmont Triad Regional Model (PTRM) and the NCDOT Rural Spreadsheet
The PTRM is housed at PART and the rural spreadsheet is housed at NCDOT.

The PTRM completely covers the metropolitan area boundaries (MABs) for the WSMPO (Forsyth, Davidson and Davie), the HPMPO (Davidson, Guilford and Forsyth), the GUAMPO (Guilford) and the BGMPO (Guilford). Guilford and Forsyth counties are completely within the Piedmont Triad Regional Model (PTRM) boundary. Davidson and Davie counties are partially covered by the PTRM and the remainder of the county will be covered using the NCDOT rural spreadsheet. NCDOT utilizes a spreadsheet that incorporates the VMT universe file and historical trends to project the VMT to the horizon years at the county level. 1997-2006 VMT data is expressed as Daily Vehicle Miles of Travel (DVMT). This data is based upon the Annual Average Daily Traffic (AADT) in the universe file. The annual Highway Performance Monitoring System (HPMS) VMT reported to the Federal Highway Administration (FHWA) is derived from a subset of the universe file. North Carolina records AADT data for all roads in all functional classifications. However, only 73.8% of the local functionally classified road mileage were covered by actual counts. For links without counts, an Average Daily Traffic (ADT) count of 400 vehicles per day was assumed.

The projection of VMT was based on a trend line using an ordinary least squares linear regression extrapolation of a 10-year period 1997-2006 for Nash and Edgecombe Counties. The total VMT, including rural and urban road types, was used to perform statistical analysis. This approach will compensate for the reclassification of VMT from year to year due to the expansion of urbanized boundaries or other reasons. Therefore, a regression analysis was performed to determine the correlation of data and predicted VMT values for the specific years of interest. Finally, 2006 VMT by functional classes (using the ratio of each functional class's VMT to the total VMT) was used to disaggregate projected VMTs. Results were evaluated for reasonable growth and consistency. This VMT projection methodology was based on the EPA document Section 187, VMT Forecasting and Tracking Guidance, January 1991.

The spreadsheet calculates speed based on a model originally developed by the Texas Transportation Institute (TTI) but modified by NCDOT. Speeds generated by the spreadsheet are incorporated into the MOBILE 6.2 emissions program. Then, emission factors developed by MOBILE 6.2 are imported into the spreadsheet and multiplied by forecasted VMT to generate emissions. The rural spreadsheet model will be used for parts of Davidson and Davie Counties and will be factored based on population percentages for those portions of non-attainment counties not covered by the PTRM. This methodology has been used to demonstrate conformity in other areas and received approval from the interagency partners.

9. Mode Split / Mode Choice: Piedmont Triad Regional Model (PTRM)

The PTRM estimates the probability of selecting the entire range of travel modes (excluding freight) for each potential origin and destination in the region, as defined by the regional network and zone system. The mode split model uses a logit formulation to estimate the probability of choosing a particular mode. For the PTRM a total of 28 model alternatives (travel modes) are considered. While not all of these modes are allowed for each purpose, and some await data for calibration, the model structure is designed to accommodate a full range of potential alternatives. The primary or top level alternatives are auto, non-motorized, transit and school bus. Within each of the primary alternatives considered there are separate nest created for alternative travel patterns; thus creating a total of 28 alternatives.

The PTRM includes the following trip purposes: home-based work, home-based school, home-based shopping, home-based other, Non-home-based work, non-home-based other, home-based college/university, and airport traveler trips.

10. VMT Adjustments: There will be no VMT adjustments for PM2.5, 1-hour ozone and/or CO.

11. Motor Vehicle Emissions Budgets

The Triad area is maintenance for the 1-hour ozone standard (Guilford, Davidson, Forsyth and Davie), maintenance for the CO standard (Forsyth) and is non-attainment for the PM 2.5 standard (Guilford and Davidson)

Forsyth County is maintenance for the Carbon Monoxide (CO) standard. A MVEB was established for 2015 and emission limits based on the MVEB is indicated below:

CO: Current CO SIP (tons/day)						
Area	Comparison Year					
	2007	2010	2012	2015	2025**	2035**
Forsyth	NA	NA	NA	247.64	247.64	247.64

***The MVEB for 2015 will be used for the 2025 and 2035 comparison since 2015 is the last year that a MVEB is provided for VOC and NOx*

1-Hour Ozone (Safety Margin SIP revision): The SIP revision will allocate a portion of the safety margin to the MVEB to allow for anticipated growth in VMT, changes to vehicle mix assumptions, etc. that will influence the emissions estimations.

VOC: Proposed 1-hour Ozone SIP (tons/day)						
Area	Comparison Year					
	2007	2010	2012	2015	2025**	2035**
Davidson	5.77	4.91	4.50	4.12	4.12	4.12
Davie*	0.01	0.03	0.03	0.03	0.03	0.03

Forsyth	12.06	10.31	9.36	8.50	8.50	8.50
Guilford	17.55	14.86	13.46	12.17	12.17	12.17

NOx: Proposed 1-hour Ozone SIP (tons/day)						
Area	Comparison Year					
	2007	2010	2012	2015	2025**	2035**
Davidson	10.49	8.09	6.83	5.15	5.15	5.15
Davie*	0.03	0.05	0.05	0.05	0.05	0.05
Forsyth	19.53	15.04	12.72	9.59	9.59	9.59
Guilford	27.28	20.87	17.66	13.28	13.28	13.28

*Davie County is a partial county

**The MVEB for 2015 will be used for the 2025 and 2035 comparison since 2015 is the last year that a MVEB is provided for VOC and NOx

12. Control Strategies: Emission reduction credits will be taken for the following on-road mobile SIP commitments or Federal programs. Currently there are no TCMs in the Triad Area SIPs.

Strategy

*I/M Program
Tier 2 vehicle's Emission Standards
Low Sulfur Gasoline and Diesel fuels
Heavy Duty Vehicle Rules 2004 and 2007
Low RVP Gasoline
On board vapor recovery*

Methodology/Approach

*Accounted for in Mobile6.2 model
Accounted for in Mobile6.2 model
Accounted for in Mobile6.2 model
Accounted for in Mobile6.2 model
Accounted for in Mobile6.2 model
Accounted for in Mobile6.2 model*

13. Mobile Source Emission Reduction Strategies: The MPO's will take emission credits for the following Mobile Source Emission Reduction Strategies.

Strategy	Approach	Year(s) Credited
<i>Park-n-Ride Lots:</i>	<i>Off model</i>	<i>2009, 2015, 2025, 2035</i>
<i>Vanpools:</i>	<i>Off Model</i>	<i>2009, 2015, 2025, 2035</i>
<i>ITS</i>	<i>Off Model</i>	<i>2009, 2015, 2025, 2035</i>

14. Mobile Model Settings: The following MOBILE model-input parameters will be used in the conformity analysis.

CO Maintenance Area: Forsyth County

1-hr Ozone Maintenance Area: Davidson, Davie, Forsyth and Guilford Counties

PM_{2.5} Nonattainment Area: Davidson and Guilford Counties

Parameter	Details	Data Source
a. <i>Emissions Model Version(s):</i>	Mobile 6.2	
b. <i>Emission Model Runs:</i>	Typical Summer Weekday (VOC and NOx) Typical Winter Weekday (CO) Quarterly (NOx and Direct PM _{2.5})	
c. <i>Time Periods:</i>	Daily for VOC, NOx, CO Quarterly for NOx and Direct PM _{2.5}	
d. <i>Pollutants Reported:</i>	CO, VOC, NOx (both for PM _{2.5} and Ozone) and Direct PM _{2.5}	

- e. **Emissions Budget Years:** 1 hr Ozone: 2007, 2010, 2012, 2015
CO: 2015
- f. **Emissions Analysis Years:** 2002, 2009, 2015, 2025, 2035 (interpolate for 2010 & 2012)
- g. **Vehicle Classes:** 16
- h. **Max/Min Temperatures for NOx & VOC Emissions:** Min: 66, Max: 89
- i. **Max/Min Temperature for CO Emissions:** Min/Max: 50.9
- j. **Quarterly Temperatures for PM_{2.5} & NOx Emissions:**

Based on the 57 year mean max/min temperatures from Greensboro (KGSO)

	Max (F)	Min (F)
1st quarter	53.2	31.9
2nd quarter	77.4	54.8
3rd quarter	84.4	64.4
4th quarter	60.2	38.4

- k. **VMT Mix:** Statewide mix based on 2006 data using the method in the August 2004 USEPA Guidance.
- l. **Speeds:** From TRM and Rural spreadsheet
- m. **Vehicle Age Distribution:** Based on 2005 vehicle registration data provided by NCDOT.
- n. **I/M Program:** 2002: Idle test for Guilford County
2009, 2015, 2025, 2035: OBD-II for Davidson, Forsyth and Guilford Counties.
- o. **Anti-tampering Applicability:** 1968-2050
- p. **RVP*:** 15.0 psi for CO emissions runs for Forsyth County;
7.8 psi for NOx & VOC runs for Davidson, Davie, Forsyth and Guilford Counties.
Quarterly for Direct PM_{2.5} & NOx for Davidson and Guilford Counties.

	RVP
1st quarter	14
2nd quarter	10.1
3rd quarter	7.8
4th quarter	14

*RVP - Reid Vapor Pressure is a measure of gasoline volatility

- q. **Strategies:** See item #12 above
- r. **I/M Fraction for Davidson:** 0.94 for 2009, 2015, 2025, and 2035.
- s. **I/M Fraction for Forsyth:** 0.91 for 2009, 2015, 2025, and 2035.
- t. **I/M Fraction for Guilford:** 0.76 for 2002; 0.94 for 2009, 2015, 2025, and 2035.
- u. **Evaluation Month:** Set evaluation month to "7" for NOx & VOC runs
Set evaluation month to "1" for CO runs
Set evaluation month to "1" for 1st and 2nd quarters & "7" for 3rd and 4th quarters for Direct PM_{2.5} and NOx.
- v. **VMT:** TRM and rural spreadsheet
- w. **Diesel Sulfur Content:** Based on USEPA Technical Guidance on the Use of MOBILE6.2 for Emission Inventory Preparation (August 2004)

Diesel Sulfur (ppm)	2002	2009	2010	2015	2025	2035
1st quarter	340	43	43	11	11	11
2nd quarter	370	43	43	11	11	11
3rd quarter	400	43	11	11	11	11
4th quarter	370	43	11	11	11	11

x. Estimation of Vehicle Starts:

A component of the emissions rates for each functional class is an estimate of the start-based emissions. This rate is based on an assumed number of starts per vehicle and is added to running emissions to produce a single rate to apply to vehicle miles traveled. Mobile 6 defaults are 7.28 starts for passenger cars and 8.06 starts for light duty trucks.

Mobile6 Defaults Vehicle type	# of starts
1(LDGV)	7.28
2(LDGT1)	8.06
3(LDGT2)	8.06
4(LDGT3)	8.06
5(LDGT4)	8.06
6(HDGV2B)	6.88
14(LDDV)	7.28
15(LDDT12)	8.06
24(MC)	1.35
28(LDDT34)	8.06

However, the use of default rates isn't the best practice for heavily urbanized area with an updated travel Demand model. Area specific rates could be calculated by dividing the total number of trips from the travel demand model by the total number of registered vehicles. Therefore:

- Step one: DMV Reg data were obtained for calendar years 2002-2007. According to DMV, data prior to 2002 weren't reliable. Reg data were received by veh type and for Forsyth and Guilford Counties separately. Projections to 2010 and other horizon years were done using the 2002-2007 data. HDDV and HDGV numbers were subtracted from total Reg numbers for Guilford and Forsyth Counties.
- Step two: Total Trips by year for each county are broken down by Base, Commercial vehicles and IX-XI (Internal /External and External/Internal). External-Internal or Internal –External travel is defined as having one trip end external to the study area. Therefore, only half of these trips need to be included as having a start in planning area. Truck numbers were subtracted from the total number of Trips.
- Step three- Result from Step two were divided by Step One to calculate Trips/ Veh numbers.

Number of trips/Start/Veh

Using DMV data

Year / Run	Forsyth	Guilford (used also for Davidson County)
2010	3.91	4.23
2012	4.08	4.48

2015	4.11	4.57
2025	4.18	4.82
2035	4.30	5.13

Additional text on External Trips:

Internal-External & External-Internal Trips Analysis

- External Station Analysis considers through trips, external-internal and internal-external trips.
- The IXXI trip production data utilized for REA (Regional Emission Analysis) contains no through-trip data. Only internal-external and external-internal trip productions are in the data.
- In general, trip productions and attractions must balance according to established modeling procedure. For example, every trip has exactly one production trip end and one attraction trip end; total area production and attraction trip ends for each purpose must be equal. This is true for IXXI trips as well, i.e. for every internal-external trip there is an external-internal trip. Therefore, since ½ of the IXXI trips originate internally, this is the quantity utilized for REA.

15. Emissions analysis units, conversion factors, significant figures, rounding and truncating conventions:

- Units= Kilograms or Grams
- Grams to tons conversion factor= Divide x grams by 907184.7 to get tons
- Round to 2 decimal places

16. CMAQ Projects: PART and the MPO's will include a spreadsheet in the conformity documentation showing status of funded CMAQ projects, including emission reductions for each, amount of funding for each project, and implementation dates. *(each MPO/PART/donut area Davidson County area would provide this information by December 3, 2007)*

17. Regionally Significant Projects (Federal and Non Federal): This item has been completed. The IC partners have reviewed the information, provided comments and are satisfied with the MPO/NCDOT reply to their comments

18. List of Exempt Projects and Non-Regionally Significant Projects (Federally Funded): PART and the MPO's will identify exempt projects according to the Conformity Regulation (40 CFR 93.126) and non-regionally significant projects as a backup plan in the event of a conformity lapse. A discussion on the purpose of this can be a part of the conformity determination report (CDR) and the list of projects can be added as an appendix in the CDR. This item has been completed. The IC partners have reviewed the information, provided comments and are satisfied with the MPO/NCDOT reply to their comments.

19. Conformity Schedule: *(A draft conformity schedule has been developed and is provided as an attachment to this document)*

20. Conformity Determinations: Five organizations will be responsible for making conformity determinations in five distinctive parts of the Triad non-attainment/maintenance areas:

- The BGMPO within its metropolitan area boundary-a small part of Guilford County
- The GUAMPO within its metropolitan area boundary-a part of Guilford County
- The HPMPO within its metropolitan area boundary-a part of Davidson, Guilford and Forsyth Counties

- iv. The WSMPO within its metropolitan area boundary-most of Forsyth County and a part of Davidson and Davie Counties
- v. The NCDOT in a rural area comprised of those parts of Davidson and Davie Counties that are outside of any MPO MAB.

Each of these responsible organizations must make a conformity determination for its respective area in order for all of the areas to be designated in conformity.

21. SAFETEA-LU COMPLIANT LRTP UPDATE - FHWA Review and Validation FHWA planner (Bill Marley) will be in contact with the Triad Area MPOs to determine the timeline for this review and validation.

**Triad Area Conformity Determination Process
Interagency Consultation Meeting 5/22/08:**

Meeting Attendees: Scott Rhine, Amenetta Wood, Greg Errett, Fred Haith, Wendy Miller, Heather Hildebrandt, Eddie Dancausse, Janice Godfrey, Mike Nunn, Lydia McIntyre, Terry Arellano, Pat Reagan, Micheal Abuya, Atefee Northcutt, Andy Bailey, Tae Gyu, Beshad Norowitz, Paul Schroder.

Since the REA for the analysis years of 2010 and 2012 are not passing the REA test via interpolation the following options will be pursued in the order outlined below (if the first bullet option is not successful the next option on the list will be pursued):

- PRTM model runs for 2010 and 2012 will be conducted for all MPOs
- The use of local data will be explored for the Mobile 6 emission factor work instead of the defaults currently used in the model (like what was done for the Triangle and Metrolina Areas).

If the two options above are not successful a Triad area interagency consultation (IC) meeting (or a subgroup meeting) will need to be held to determine next steps.

A timeline is provided below for the first bullet item provided above:

- 5/22/08: Triad area project lists for 2010 and 2012 are due to NCDOT TPB coordinators
- 6/6/08: PB model runs for 2010 and 2012 complete
- 6/10/08: FCEAD emission factors (EFs) complete. Needs 2010 & 2012 vehicle mix from NCDAQ.
- 6/13/08: NCDAQ quality check of EFs complete
- 6/17/08: NCDOT REA complete
- 6/17/08: MPOs provide 7 day notice to newspapers to begin public review and comment period on the draft conformity determination report (CDR) /LRTPs/TIPs, etc.
- 6/24/08: Draft CDR/LRTPs/TIPs complete
- 6/25/08: Draft CDR/LRTPs/TIPs released for public review and comment period as well as agency review of the draft documents (EPA/NCDAQ/FTA/FHWA)

Action Items

- FCEAD will need to get VMT mix from NCDAQ for 2010 and 2012
- NCDOT (Behshad) requested 2010 and 2012 vehicle mix and vehicle age distribution file from NCDAQ (Janice)
- NCDOT (Behshad) requested vehicle age distribution excel file for 2005 and 2006 NCDAQ (Janice).
- NCDOT (Behshad) will contact PB (Lita) to get sample information from Metrolina Area to give her a heads up of what is needed for triad area (for bullet item #2)

From: Scott Rhine [scottr@partnc.org]

Sent: Friday, April 18, 2008 3:21 PM

To: 'burlmpo'; 'david.hyder@highpointnc.gov'; 'Fredrick Haith'; 'Wendy Miller'; 'lydia.mcintyre@greensboro-nc.gov'; 'Dr. Wayne C. Davis'; 'John A. (Andy) Bailey'; 'Paul S. Schroeder'; 'Michael Abuya'; 'Atefe Northcutt'; 'Terry Arellano'; 'janice.godfrey'; 'heather.hildebrandt@ncmail.net'; 'Phyllis.D.Jones'; 'Amanetta Wood'; 'Patrick Reagan'; 'Sullivan, Van K'
Cc: 'Dancausse, Edward'; 'Dan Thomas'; 'Marley, Bill'

Subject: Triad Area 2035 LRTP Update Conformity Process and the Need for a 2010 Horizon Year and Model Run

It has been concluded today at our telephone conference call that the following actions will occur:

1. 2009 Model Year will be used. Not 2010.
2. PB consultant team will receive communication from Dan Thomas to give them concurrence on repairing missing links previously identified by NCDOT-TPB staff from the 2009 network. This network repair will be conducted and VMT and Speeds will be generated for 2009. Once complete, results will be delivered to Scott Rhine. It is anticipated that this work will take approximately one week - if not less. Communication from PB is requested on the status of work being performed by the end of next week.
3. Once model runs and speeds have been conducted for 2009, the emission factor analysis will need to be conducted **IF** there is a change in the speeds. If there are no resulting changes in the speeds due to the additional network modifications; than it has been confirmed by NCDENR-DAQ that no additional work is needed for the emission analysis for the 2009 horizon year.
4. On the chance that speeds are affected by the network modification for the 2009 horizon year - FCEAD will be requested to conduct a new emission analysis for the 2009 horizon year. If this action does occur - communication is requested on the time involved to complete this task.
5. NCDOT can proceed with the off-model, and Regional Emission Analysis work for all years previously received, and once 2009 has been received and all work completed - NCDOT will be requested to conduct their work for the 2009 model year.
6. All MPO should distribute completed draft chapters of their LRTP's to Bill Marley for review.
7. The previously scheduled conference call on 4/24/08 at 10:00 am has been cancelled. PART will provide an update of activities to all parties on this day.

If you have any questions feel free to contact either myself or Eddie. Have a nice weekend.

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