



M E C K L E N B U R G - U N I O N
METROPOLITAN PLANNING ORGANIZATION

600 East Fourth Street
Charlotte, North Carolina 28202-2853
704-336-2205
www.mumpo.org

CHARLOTTE
CORNELIUS
DAVIDSON
HUNTERSVILLE
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MONROE
NCDOT
PINEVILLE
STALLINGS
UNION
COUNTY
WAXHAW
WEDDINGTON
WESLEY CHAPEL
WINGATE

TO: TCC Members
FROM: Nicholas Polimeni
MUMPO Principal Planner
DATE: May 26, 2011
**SUBJECT: Technical Coordinating Committee (TCC) Agenda
June 2011 TCC Meeting—June 2, 2011**

The June 2011 TCC meeting is scheduled for **Thursday, June 2 at 10:00 AM** in the **Uptown Conference Room** on the 8th Floor of the Charlotte-Mecklenburg Government Center (600 East Fourth Street). Attached is a copy of the agenda.

Please call me at (704) 336-8309 if you have any questions.

MUMPO TCC
AGENDA
June 2, 2011

- 1. Consideration of May Meeting Minutes** Bill Coxe
ACTION REQUESTED: Approve as presented, or with amendments.

- 2. MUMPO Conformity Memorandum of Agreement (MOA)** (5 minutes) Eldewins Haynes
ACTION REQUESTED: Recommend that the MPO endorse the Conformity Memorandum of Agreement

BACKGROUND: The Conformity Memorandum of Agreement (MOA), which describes the State's interagency consultation and transportation conformity procedures, was last presented at the May 5 TCC meeting. The TCC had asked for a change in the language in 2.1.3 of the MOA to allow greater flexibility to address "fast track" updates. The revised language is the only change from the previous version of the MOA reviewed by the TCC:

"2.1.3 The MPO shall consult with the Parties on the development process for LRTPs, TIPs and amendments thereto. A complete conformity determination takes approximately one year to complete, therefore, this process should begin no later than one year prior to when the conformity determination is needed."

The TCC is being asked to recommend that the MPO endorse the MOA between MUMPO, NCDOT, FHWA and several other state and federal agencies, as described at the April TCC meeting.

To view the complete MUMPO Conformity Memorandum of Agreement, click [here](#).

- 3. I-485 Clark's Creek Greenway Crossing** (10 minutes) Tim Gibbs
ACTION REQUESTED: FYI

BACKGROUND: Charlotte, Mecklenburg County and NCDOT agreed to share the costs of constructing accommodations for the Clark's Creek Greenway where it crosses I-485. NCDOT committed Loop funds for its portion, but now proposes to use Equity funds. Feedback on the proposed change has been requested by NCDOT.

ATTACHMENTS: Request for Greenway Bridge Letter; Location Map; Proposed Design

- 4. McCoy Road Bridge, B-4200 Memorandum of Agreement** (10 minutes) Bill Coxe
ACTION REQUESTED: FYI

BACKGROUND: TIP project B-4200 will result in the replacement of an existing bridge over Gar Creek in Huntersville. The FHWA has determined that the project will have an adverse impact on the Albert McCoy Farm (listed on the National Register of Historic Places) and has required that the project be undertaken in accord with certain stipulations. The stipulations are found in a Memorandum of Agreement to be signed by various parties, including MUMPO. The purpose of this discussion is to review the draft MOA and begin the process to obtain the necessary approval from the MPO to execute it.

ATTACHMENT: Draft Memorandum of Agreement

5. SPOT Prioritization 2.0

a. Overview of Process (15 minutes)

Nicholas Polimeni

ACTION REQUESTED: FYI

BACKGROUND: Staff attended an education session on May 11 regarding SPOT's Prioritization 2.0 (P2.0) process and timeline for MPOs to submit projects into the prioritization database. An overview of the P2.0 process will be presented.

b. Highway Projects (10 minutes)

Nicholas Polimeni

ACTION REQUESTED: FYI

BACKGROUND: A staff meeting was held Wednesday, May 25 to begin reviewing highway projects to be entered into the NCDOT prioritization database. Highlights of the discussion from the May 25 staff meeting will be presented.

ATTACHMENT: May 25 Staff Meeting Summary Memorandum

c. Bicycle & Pedestrian Projects (10 minutes)

Lauren Blackburn

ACTION REQUESTED: FYI

BACKGROUND: The MPO adopted a new Bicycle and Pedestrian Project Prioritization process for MUMPO at its May 18 meeting. An email from Lauren Blackburn was sent to the TCC notifying it of a proposed timeline for a bicycle and pedestrian call for project and subcommittee meeting schedule to rank those projects. The process will be briefly outlined for determining which bicycle and pedestrian projects MUMPO will submit for Prioritization 2.0, as well as details regarding the subcommittee and timeline.

6. MUMPO Website (5 minutes)

Nicholas Polimeni

ACTION REQUESTED: FYI

BACKGROUND: Over the past several months, staff has been working on creating a new MUMPO website. The new website has been designed to incorporate a modified MUMPO logo, an updated look and more information. The website is being presented as a preview before the site goes live, which is expected to occur within the next month.

7. Davidson Parking Study (20 minutes)

Lauren Blackburn

ACTION REQUESTED: FYI

BACKGROUND: The Town of Davidson was approved to receive \$20,000 from the MUMPO to match an additional \$15,000 in local funding to complete a Comprehensive Parking Study during the 2011 fiscal year. Davidson worked with Rich & Associates Consultants, Inc to evaluate parking in the downtown area and with SEPI Engineering to understand the traffic implications of changed parking policies and additional parking structures. Town staff and consultants worked closely with a broad stakeholder committee to discuss current parking needs, document existing supply, and determine future parking demand. Consultants prepared a report of their findings and recommendations to town staff in March 2011. Traffic engineers compared a build-out scenario incorporating a proposed parking structure in the downtown, built primarily for the benefit of future transit commuters and downtown business patrons, with a no-build scenario. Each scenario considered projected traffic volumes for the 2020 horizon and made recommendations for more efficient intersection movement.

- 8. NCDOT Complete Streets Planning and Design Guidelines** (10 minutes) Tracy Newsome
ACTION REQUESTED: FYI

BACKGROUND: Update on the NCDOT's Complete Streets effort and the recent presentation about complete streets to the MUMPO Board.

- 9. Draft Transportation Improvement Program (TIP)** (10 minutes) Robert Cook
ACTION REQUESTED: FYI

BACKGROUND: Update on the status of the draft TIP.

- 10. Comprehensive Transportation Plan (CTP)** (5 minutes) Anil Panicker
ACTION REQUESTED: FYI

BACKGROUND: Update on the status of this project.

- 11. July TCC Meeting Announcement** Bill Coxe

- 12. Adjourn**

MECKLENBURG - UNION TECHNICAL COORDINATING COMMITTEE
Summary Meeting Minutes
Charlotte-Mecklenburg Government Center
Room 267
May 5, 2011

Voting Members: Bill Coxe (Huntersville), Danny Pleasant (CDOT), George Berger (Charlotte Engineering & Property Management), Ken Tippet (CDOT Bicycle Coordinator), Jonathan Wells – alt for Debra Campbell (C-M Planning), David McDonald (CATS), Louis Mitchell – alt for Barry Moose (NCDOT-Div. 10), Anil Panicker (NCDOT-TPB), Lauren Blackburn (Davidson), Tom Tasselli – alt for Andrew Grant (Cornelius), Adam McLamb – alt for Scott Kaufhold (Indian Trail), Ralph Messera (Matthews), John Hoard (Mint Hill), Kevin Icard (Pineville), Brian Matthews (Stallings), Greg Mahar (Waxhaw), Jordon Cook (Weddington), Joshua Langen (Wesley Chapel), Amy Helms (Union County)

Staff: Robert Cook (MUMPO), Nick Polimeni (MUMPO), Tim Gibbs (CDOT), Andy Grzymiski (CDOT), Eldewins Haynes (CDOT), Tracy Newsome (NCDOT), Norm Steinman (CDOT), Gwen Cook (Mecklenburg County Park and Recreation), Loretta Barren (FHWA), Pate Butler (NCDOT), Keith Sorensen (Indian Trail), Crissy Huffstickler (C-M Planning)

Guests: Todd Steiss (PB), Greg Boulanger (HNTB)

Bill Coxe opened the meeting at 10:05 AM.

1. Consideration of April Meeting Minutes

Mr. Coxe asked if there were any changes needed to the April minutes. Hearing none, Mr. Coxe noted a change on page 2 of the minutes to the item regarding the I-77 widening and HOT lanes conversion, that I-77 would be widened to three lanes in each direction. Mr. Wells made a motion to approve the minutes with that change. Mr. Pleasant seconded the motion. Upon being put to a vote, the April minutes were approved unanimously.

2. MUMPO Self Certification

Presenter: Robert Cook

Summary/Action Requested:

Mr. Cook provided a brief summary of what the Self Certification is, stating that is required to be approved by the MPO annually. He distributed a handout that listed all the things that must be done and indicated that MUMPO is doing everything required.

Motion:

Mr. Messera made a motion to recommend that the MPO approve the MUMPO Self Certification. Mr. Berger seconded the motion. The motion passed unanimously.

3. Centralina Council of Governments Sustainability Grant

Presenter: Bill Duston, Centralina COG

Summary/Action Requested:

Mr. Duston provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). He stated that the Centralina COG has received funds to work on five projects in the region, including two located within MUMPO's planning area. He indicated that the COG would like MUMPO to be involved by adopting a Memorandum of Understanding, participating in a stakeholder group, helping to identify potential projects and sharing data. In addition, Mr. Duston stated that by participating in this initial sustainability grant the region will be setting itself up to be more competitive for a larger HUD grant. Mr. Wells noted that similar initiatives may already be taking place in certain areas and that they should be noted. Mr. Coxe asked how many projects will need to be identified, and Mr. Duston responded that the scorecard would need to be applied in order to determine that. Mr. Duston also outlined the significant points of the MOU upon the request of Mr. Coxe. Finally, it was noted that information related to these activities could be provided as a supplement at MUMPO public outreach meetings.

Motion:

Mr. Berger made a motion to recommend that the MPO approve the Memorandum of Understanding as presented. Mr. Matthews seconded the motion. Upon being put a vote, the motion passed unanimously.

4. Unified Planning Work Program (UPWP)

Presenter: Robert Cook

Summary/Action Requested:

Mr. Cook provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). He noted that the Unified Planning Work Program (UPWP) is the MPO's annual work plan and lists the projects to be completed during the fiscal year, along with funding sources and costs. Due to lack of action on a transportation reauthorization by Congress, the exact amount of funding was not known therefore, staff is assuming the original FY 2011 figures for planning purposes: Planning (PL) funds-\$725,000; STP-DA PL funds-\$800,000; Section 5303-\$345,696; Total-\$1,870,696. Also discussed were the local projects funded with MUMPO funds – the towns of Cornelius and Davidson have proposed projects, Mecklenburg County is the lead on a joint project with Charlotte and the three northern Mecklenburg towns, and Union County has proposed a US 74 revitalization study that it plans to conduct in partnership with Monroe, Indian Trail and Stallings. He indicated that the next steps include adoption by the MPO at its May meeting, an assessment of project progress no later than November 2011 and preparation of local projects guidance as a tentative item. Mr. Steinman suggested including language that indicates work will begin on the next LRTP in FY 12, as well as singling out the CTP as a major project in FY 12. Mr. Cook indicated that he would revise the language accordingly.

Motion:

Mr. Matthews made a motion to recommend that the MPO approve the UPWP, with the revisions to the language noted above. Mr. Messera seconded the motion. The motion passed unanimously.

5. Bicycle and Pedestrian Prioritization Process

Presenter: Lauren Blackburn, Town of Davidson

Summary/Action Requested:

Ms. Blackburn introduced the topic by reminding the TCC about the presentation she gave at the April TCC meeting regarding the bicycle and pedestrian ranking criteria. She stated that she did not receive any significant opposition to the criteria and asked the TCC if it was ready to take action on the item. Mr. Tippet, with the Charlotte DOT, asked if the criteria could be amended after it is adopted and Mr. Coxe stated that it could. Mr. Steinman asked if the TCC would like to wait for further development of

the statewide Complete Streets policy to incorporate into the criteria. There was some agreement that the Complete Streets policy could be discussed with respect to the bicycle and pedestrian criteria, but that the criteria should still be recommended for adoption now, without further delay.

Motion:

Ms. Blackburn made a motion to recommend that the MPO adopt the Bicycle and Pedestrian Ranking Criteria. Mr. Tasselli seconded the motion. The motion passed unanimously.

6. MUMPO Conformity Memorandum of Agreement (MOA)

Presenter: Eldewins Haynes, CDOT

Summary/Action Requested:

Mr. Haynes provided a brief description of the MOA and its purpose, emphasizing the fact that the MPO had previously approved a similar MOA in 2003 and this is simply an updated version. He provided a summary of significant changes from the previous MOA, as requested at the previous TCC meeting. Mr. McDonald stated that he is uncomfortable with the language under section 2.1 – MPO Duties – that states:

The MPO shall consult with the Parties on the development process for LRTPs, TIPs and amendments thereto [and conformity analysis and determinations]. This process will begin no later than one year prior to when the conformity determination is needed.

He noted that as it relates to the amendment process, the language “no later than one year” would be difficult to uphold and suggested softening that language to provide a little leeway, especially as it pertains to amendments. A discussion of the TCC ensued, resulting in a request to have Mr. Haynes work with NCDQA on changing the language in question. No action was taken.

7. Fast Lanes Study Phase III

Presenter: Norm Steinman/Tim Gibbs, CDOT

Summary/FYI:

Mr. Steinman and Mr. Gibbs provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). Mr. Steinman introduced the topic and provided an update about what has been done in the region pertaining to managed lanes, including the completion of Phase I and Phase II of a managed lanes study. Mr. Gibbs provided a summary about what managed lanes are and why they could be helpful to the region. He also provided examples of managed lanes already being used in the Charlotte region. Mr. Steinman concluded by outlining Phase III of the managed lanes study and identified likely corridors that will be looked at for the application of managed lanes, excluding I-77 North and US-74 because they are being looked at already. He also provided next steps, including the procurement of a consultant to work on Phase III of the study over the next year. He noted that the TCC will be updated on the progress of the study.

8. Draft Transportation Improvement Program (TIP)

Presenter: Robert Cook

Summary/FYI:

Mr. Cook provided the TCC with an update of the MPO’s action at its April meeting, stating that the MPO released the appropriate documents for public review on April 27. He also noted that the conformity document is being prepared by NCDOT and should be ready for release no later than May 16; therefore, the

tentative public comment period is scheduled for May 16 to June 14, 2011. He stated that two public meetings were scheduled, one on May 18 and one on June 7, 2011. It was also reported that the MPO revised the language of the Rea Road motion at its April meeting. Mr. Cook concluded by stating that an update regarding the TIP would be provided to the TCC in June, and final approval is expected in July.

9. NCDOT Complete Streets

Presenter: Tracy Newsome, CDOT

Summary/FYI:

Ms. Newsome provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). Prior to the presentation, Ms. Newsome requested that the TCC provide the names of those in each respective community who might be interested in the development of the Complete Streets policy so they can be added to NCDOT's distribution list. She then provided a recap of the Complete Streets discussions that took place at two different transportation staff meetings, much of which was captured in the presentation provided. She emphasized the next steps, including the need for more staff discussions. Ms. Newsome also stated that the TCC would continue to receive updates and that an education session regarding Complete Streets would be provided to the MPO prior to its May meeting. Ms. Blackburn asked if there was a standardized Complete Streets presentation that could be provided to local Boards for information, and Ms. Newsome stated that it could be arranged.

Mr. Coxe asked if it would be acceptable, in the interest of time, to carry items 10, 11 and 12 over to the June TCC meeting. The TCC agreed.

Mr. Panicker announced that there will be a CTP subcommittee meeting this month and that a meeting notice will be sent out soon.

13. Adjourn: The meeting was adjourned at 12:10 PM.



CHARLOTTE_{SM}

February 14, 2011

RECEIVED

FEB 22 2011

DIVISION ENGINEER TENTH DIVISION

Const. _____ Maint. _____

Oper. _____ Plan. _____

Mr. Barry Moose, P.E., Division Engineer
North Carolina Department of Transportation
Division 10 Office
716 W. Main St.
Albemarle, NC 28001

Subject: I-485 Crossing of Clark's Creek (State TIP Project # R-2248EA)

Dear Barry:

In order to better facilitate pedestrian and bicyclist activity in Mecklenburg County, the County has identified Clark's Creek as a future greenway in its 2008 Greenway Master Plan Update. In addition, this greenway is also designated as a key link in the Carolina Thread Trail- a growing system of over 500 miles of interconnected multi-use trails that will serve a 15-county region in two states. The construction of I-485 would create a significant barrier for pedestrians and bicyclists in the area who need the connection for non-motorized access to the University of North Carolina at Charlotte (UNCC) and the existing nine-mile long greenway corridor along Clark's, Mallard and Toby creeks. As such, Mecklenburg County has identified crossing of I-485 at Clark's Creek Greenway as a critical element in the highway's construction to support this regional greenway system.

In addition to regional needs, The City of Charlotte believes that the greenway will provide a beneficial and critical connection between residents and nearby shops (existing and future) on Prosperity Church Road as well as major destinations such as UNCC and large shopping centers in the University area. Charlotte's City Council adopted its Transportation Action Plan in 2006 which includes numerous policies that support connectivity for all modes of transportation (Policies 2.1.2, 2.6.5, and 2.9.4). Through these policies, the City fully supports the County's efforts to establish a greenway connection on Clarks Creek at I-485.

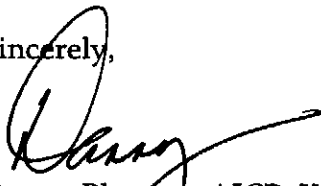
DEPARTMENT OF TRANSPORTATION

600 East Fourth Street
Charlotte, NC 28202-2858
PH: 704/336-4119
FAX: 704/336-4400

The plans for I-485 currently accommodate the greenway via a box culvert. However, it will be a long, dark culvert that, even if lighted, will not likely feel comfortable to users. To achieve the aforementioned policy goals and provide better aesthetics and perceptions of safety to greenway users, the City of Charlotte and Mecklenburg County jointly commit to pursuing approval for up to \$1.2 million for the natural stream design channel that will eliminate the culverts proposed for Clark's Creek under I-485. The dual bridges combined with the proposed stream restoration/ relocation will allow light, space and a more natural substrate for the creek and greenway trail, both an environmental and a safety benefit.

Please advise if further documentation is required to convey this commitment. If you have questions or comments about this correspondence, please contact Tim Gibbs of my staff via telephone at 704.336.3917 or e-mail at tgibbs@charlottenc.gov.

Sincerely,



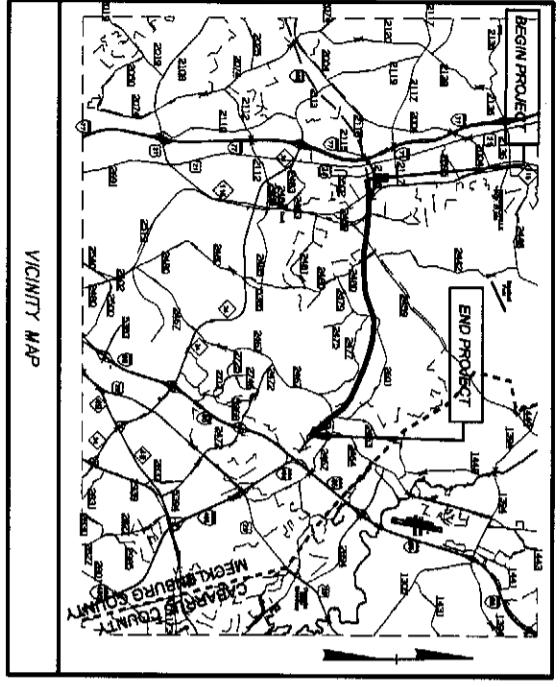
Danny Pleasant, AICP, Key Business Executive
Department of Transportation

- c: Jim Garges, Director, Mecklenburg County Park & Recreation Dept.
Teresa Bruton, PE, Design Build Project Engineer, NCDOT
John Conforti, REM, Project Development Group Supervisor, NCDOT
Lee Jones, AIA, Division Director Capital Planning Services, Mecklenburg County Park & Recreation Dept.
Gwen Cook, RLA, ASLA, Planner, Mecklenburg County Park & Recreation Dept.
Ken Tippet, Bicycle Program Manager, CDOT
Scott Correll, AICP, Interim Pedestrian Program Manager, CDOT
Tim Gibbs, AICP, Transportation Planner III, CDOT
Matt Magnasco, PE, Connectivity Program Manager, CDOT
Stuart Basham, Mecklenburg-Union Metropolitan Planning Organization

CONTRACT: C202521

TIP PROJECT: R-2248E

See Sheet 1-A For Index of Sheets

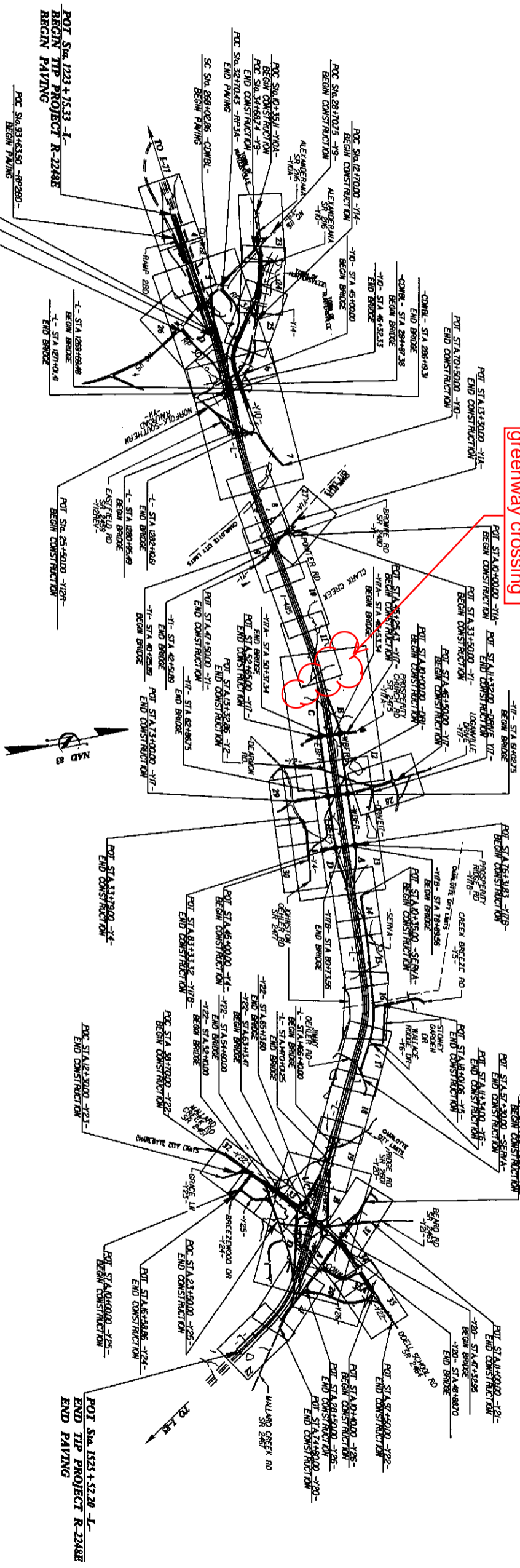


STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS MECKLENBURG COUNTY

LOCATION: I-485 (CHARLOTTE OUTER LOOP) FROM
EAST OF I-77 TO WEST I-85

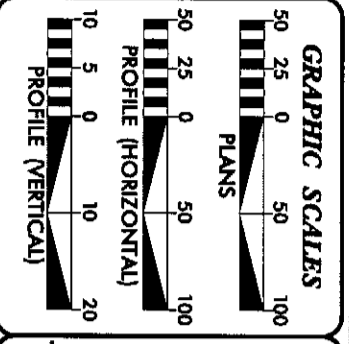
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, CULVERTS,
NOISE WALLS, RETAINING WALLS, SIGNING AND SIGNALS

Location of
greenway crossing



A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE CITY OF CHARLOTTE AND THE TOWN OF HUNTERSVILLE

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.



DESIGN DATA

ADT 2006 =	62,000
ADT 2035 =	161,600
DHV =	10 %
D =	55 %
T =	15 %
V =	70 mph
TI ST	10%
DUAL	5%

FUNCTIONAL CLASSIFICATION
FREEWAY

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT R-2248E =	5.594 miles
LENGTH STRUCTURES TIP PROJECT R-2248E =	0.121 miles
TOTAL LENGTH OF TIP PROJECT R-2248E =	5.715 miles

Prepared in the Office of:
WILBUR SMITH ASSOCIATES
421 Fayetteville Street, Suite 1203, Raleigh, NC 27601 Phone (919) 755-8389
2806 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____
LETTING DATE: _____

PROJECT DESIGN ENGINEER: _____

HYDRAULICS ENGINEER
SIGNATURE: _____
ROADWAY DESIGN ENGINEER: _____

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

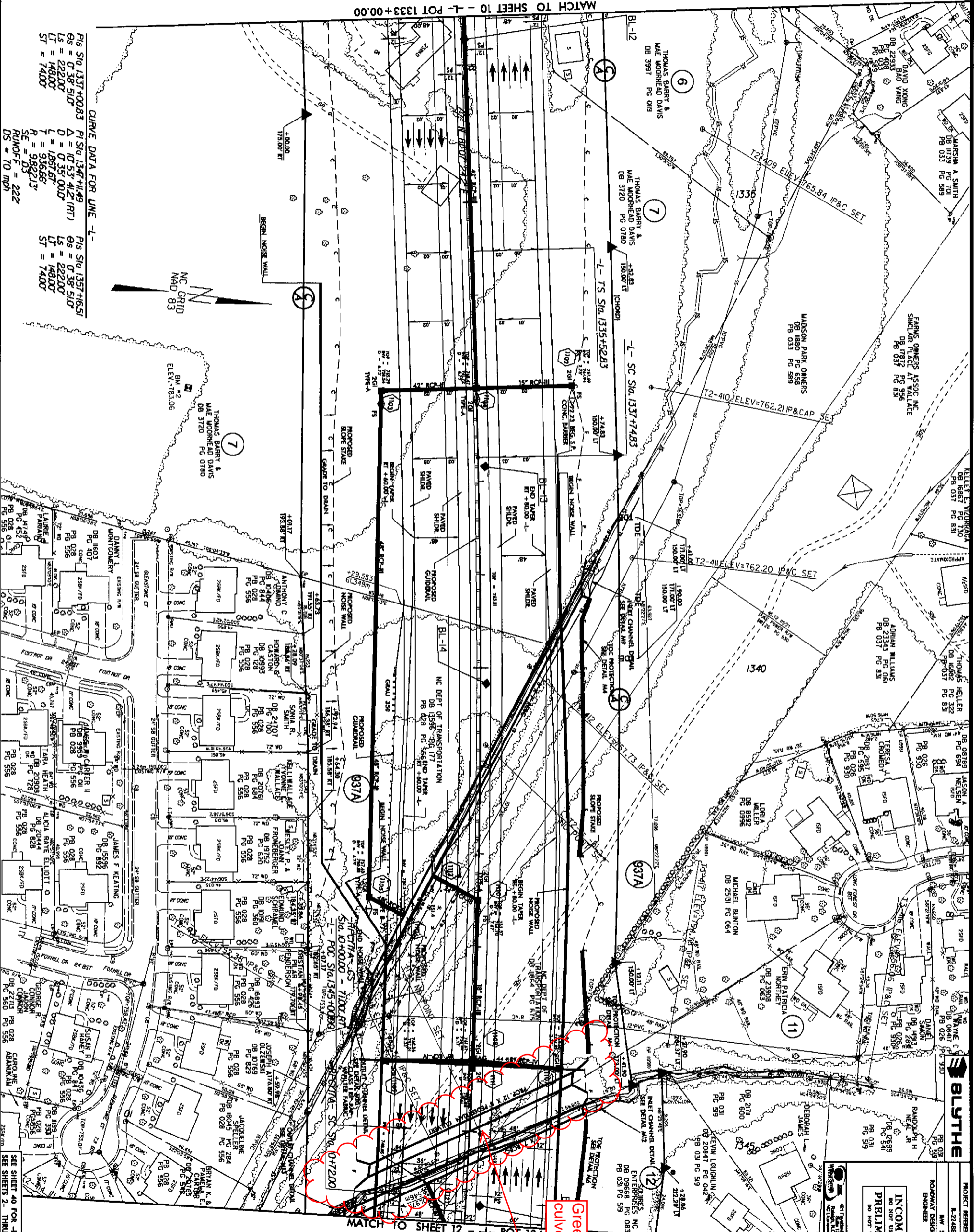
STATE HIGHWAY DESIGN ENGINEER: _____

STATE	STATE PROJECT ABBREVIATION NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2248E	1	
DATE PLOTTED	DATE PLOTTED	SCALE	
34410.3.GV2	NHE-04GS(27)	PE	

BLUTHÉ
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

REVISIONS

FILE: R:\projects\222482\Roadway\Plan\222482_R01_P04_11.DGN
DATE: 2/22/2011 1:00:28 PM



MATCH TO SHEET 10 - L - POT 1333+00.00

CURVE DATA FOR LINE -L-
 P1 S/C 1337+00.83 P1 S/C 1347+41.49
 Δs = 0.38 S/L/D Δ = 10°53'41.2" (RT)
 Ls = 222.00' D = 0.35' 0.00'
 Lt = 148.00' T = 93.6565'
 St = 74.00' R = 9822.3'
 SE = 0.23
 RUNOFF = 222
 DS = 70 mph

P1 S/C 1357+16.51
 Δs = 0.38 S/L/D Δ = 10°53'41.2" (RT)
 Ls = 222.00'
 Lt = 148.00'
 St = 74.00'

SEE SHEET 40 FOR -L- PROFILE
 SEE SHEETS 2, THRU 2, FOR DRAINAGE DETAILS

BLUTHE

PROJECT REFERENCE NO. SHEET NO.
 R-27248 11

ROADWAY DESIGN ENGINEER
 HYDRAULICS ENGINEER

**INCOMPLETE PLANS
 PRELIMINARY PLANS**
 DO NOT USE FOR CONSTRUCTION

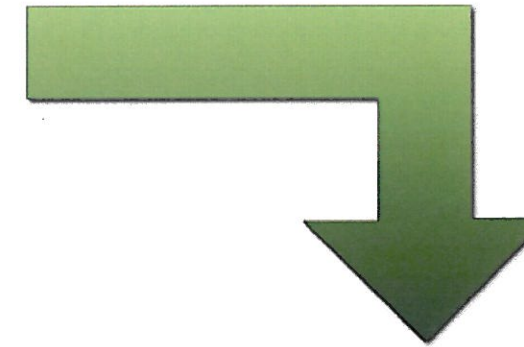
Greenway passage
 culvert

MATCH TO SHEET 12 - L - POT 1347+00.00

INNOVATION



ORIGINAL DESIGN



ENHANCED DESIGN



- **Context Sensitive Solution**
- **Improved Aesthetics for Pedestrians**
- **Improved Safety for Pedestrians**
- **Enhanced Environmental Features for Wildlife and Ecological Advantages**
 - Provide Natural Stream North of I-485 Including Root Wads and Cross Vanes
 - Provide Natural Stream Crossing Under I-485 Eliminate All Culverts
 - Improved Channel Stability
- **Provides Consolidated Utility Corridor**
- **Maintain Soundwall Over Structure**

DRAFT

**MEMORANDUM OF AGREEMENT
BETWEEN THE
FEDERAL HIGHWAY ADMINISTRATION
AND THE
NORTH CAROLINA STATE HISTORIC PRESERVATION OFFICE
FOR
REPLACEMENT OF BRIDGE NO. 100 ON
SR 2120 (McCOY ROAD) OVER GAR CREEK
MECKLENBURG COUNTY, NORTH CAROLINA
T.I.P. PROJECT NO. B-4200
FEDERAL AID PROJECT NO. BRSTP-2120(2)
WBS No. 33547.1.1**

WHEREAS, the Federal Highway Administration (FHWA) has determined that the replacement of Bridge No. 100 on SR 2120 (McCoy Road) over Gar Creek in Mecklenburg County (the Undertaking) will have an adverse effect upon the Albert McCoy Farm, a property listed on the National Register of Historic Places (NRHP) and designated a historic landmark by the Charlotte-Mecklenburg Historic Landmarks Commission; and

WHEREAS, the Undertaking will compromise the historic integrity of the Albert McCoy Farm by 1) intruding into the viewshed and introducing materials that do not harmonize with the rural landscape, 2) necessitating the removal of mature tree lines and other landscape features, such as fencing, and 3) generating physical obstacles to the active and historical use of the property; and

WHEREAS, the FHWA has consulted with the North Carolina State Historic Preservation Officer (SHPO) pursuant to 36 CFR Part 800, regulations implementing Section 106 of the National Historic Preservation Act (16 U.S.C. 470f); and

WHEREAS, the North Carolina Department of Transportation (NCDOT), **Dr. and Mrs. Thomas McCoy, and representatives of the Catawba Lands Conservancy, Charlotte-Mecklenburg Planning Department, Mecklenburg-Union Metropolitan Planning Organization, Charlotte-Mecklenburg Historic Landmarks Commission, and the Town of Huntersville** have participated in the consultation and been invited by FHWA and the SHPO to concur with this Memorandum of Agreement (MOA); and

WHEREAS, the FHWA has notified the Advisory Council on Historic Preservation (the Council) of the adverse effect and the Council has declined to comment or participate in the consultation;

NOW, THEREFORE, the FHWA and the SHPO agree that the Undertaking shall be implemented in accordance with the following stipulations in order to take into account the effects of the Undertaking on the historic property.

STIPULATIONS

The FHWA shall ensure that the following measures are carried out:

I. Photodocumentation of the Albert McCoy Farm

Prior to the initiation of construction, NCDOT shall record the Albert McCoy Farm and its surroundings in accordance with the attached "Historic Structures and Landscape Recordation Plan" (Appendix A). NCDOT shall deposit copies of the documentation with the SHPO, NCDOT Historic Architecture Group, Dr. and Mrs. Thomas McCoy, and the Charlotte-Mecklenburg Historic Landmarks Commission prior to the letting of the contract or no later than one (1) year after the execution of this MOA.

II. Preservation and Restoration of Plant Materials

- A. The NCDOT Roadside Environmental Unit shall inventory the existing features and coordinate with Dr. and Mrs. Thomas McCoy and the Catawba Lands Conservancy.
- B. NCDOT, in consultation with the SHPO, Dr. and Mrs. Thomas McCoy, and the Catawba Lands Conservancy, shall develop and implement a landscape mitigation plan for those parts of the Albert McCoy Farm directly impacted by the undertaking. The NCDOT Historic Architecture Group and SHPO shall review and comment on the resultant plan. The landscape mitigation plan will be incorporated into the final design plan.
- C. Cedar trees affected or removed will be replaced in kind with eight-foot Eastern Red Cedars or what is locally available and practical to plant. Other affected vegetation will be similarly replaced utilizing materials from native plant communities. NCDOT shall guarantee all new plantings for two years and provide replacements within that time period. All planting shall comply with all NCDOT standards as outlined in "Guidelines for Planting within Highway Right-of-Way."

III. Fencing

NCDOT shall replace existing fencing as necessary and maintain or restore existing access points. NCDOT, in consultation with the property owners, shall provide temporary fencing to accommodate cattle crossing on SR 2120 (McCoy Road) during construction and employ temporary barrier and erosion control fencing to protect the historic resource also during construction.

IV. Signage

NCDOT shall install signs to announce the closure of SR 2120 (McCoy Road) during construction. Signs will be prominently placed at the northern and southern boundaries of the historic property and at additional locations both within and beyond the boundary as needed to prevent incursion and damage by vehicles.

V. Bridge- and Guard-rail Design

The NCDOT Roadway Design Unit shall reduce the dimensions of the proposed new bridge and maintain the existing alignment and curvature through use of NCDOT's *Sub Regional Tier Guidelines*. The extent and application of rip-rap will be minimized. Paved shoulders for bicycles and a cattle path (beneath the bridge) will be included. All construction easements will be temporary.

The superstructure of the new bridge will incorporate a 2'-10" concrete parapet with a two-bar rail, as dictated by safety standards. The metal rail will be anodized to a dark brown color and the guardrail similarly painted to insure that the bridge relates sympathetically to its surrounds.

VI. Utilities

During construction NCDOT shall relocate utilities to the temporary construction easements, then return them to their original location on the right-of-way upon completion of construction.

VII. Drainage

NCDOT shall obtain the property owners' permission for access to the lateral ditches east of the bridge and outside the right-of-way whenever maintenance and repair are needed.

VIII. Unanticipated Discovery

In accordance with 36 CFR 800.11(a), if NCDOT identifies any additional cultural resource(s) during construction and determines it (them) to be eligible for the NRHP, all work will be halted within the limits of the NRHP-eligible resource(s) and the FHWA and SHPO contacted. If after consultation with the Signatory and Concurring Party(ies) additional mitigation is determined necessary, the NCDOT, in consultation with the Signatory and Concurring Party(ies), will develop and implement appropriate protection/mitigation measures for the resource(s). Inadvertent or accidental discovery of human remains will be handled in accordance with North Carolina General Statutes 65 and 70.

IX. Dispute Resolution

Should any of the Signatory or Concurring Party(ies) object within thirty (30) days to any plans or documentation provided for review pursuant to this MOA, the FHWA shall consult with the objecting party(ies) to resolve the objection. If the FHWA or objecting party(ies) determines that the objection cannot be resolved, the FHWA will forward all documentation relevant to the dispute to the Council. Within thirty (30) days after receipt of all pertinent documentation, the Council will either:

- 1) Provide the FHWA with recommendations which the FHWA will take into account in reaching a final decision regarding the dispute, or
- 2) Notify the FHWA that it will comment pursuant to 36 CFR Section 800.7(c) and proceed to comment. Any Council comment provided in response to such a request will be taken into account by the FHWA, in accordance with 36 CFR Section 800.7(c)(4) with reference to the subject of the dispute.

Any recommendations or comment provided by the Council will be understood to pertain only to the subject of the dispute; the FHWA's responsibility to carry out all of the actions under this agreement that are not the subject of the dispute will remain unchanged.

X. Amendments

If any Signatory to this MOA believes that its terms cannot be carried out or that an amendment to the terms must be made, that

(those) party(ies) shall immediately consult with the other party(ies) to develop amendments in accordance with 36 CFR 800.6(c)(7). If an amendment cannot be agreed upon, the dispute resolution process set forth in Stipulation IX will be followed.

XI. Termination

Any Signatory to this MOA may terminate the agreement by providing notice to the other parties, provided that the Signatory and Concurring party(ies) will consult during the period prior to termination to seek agreement on amendments or other actions that would avoid termination. Termination of this MOA will require compliance with 36 CFR 800. This MOA may be terminated by the execution of a subsequent MOA that explicitly terminates or supersedes its terms.

XII. Duration

Unless terminated pursuant to Stipulation XI above, this MOA will be in effect until the FHWA, in consultation with the other Signatory and Concurring Party(ies), determines that all of its terms have satisfactorily been fulfilled or if NCDOT is unable or decides not to construct the Undertaking.

Execution of this Memorandum of Agreement by the FHWA and the North Carolina SHPO, its subsequent filing with the Council, and implementation of its terms evidence that the FHWA has afforded the Council an opportunity to comment on the Undertaking and that the FHWA has taken into account the effects of the Undertaking on the historic property.

AGREE:

Federal Highway Administration

John H. Sullivan III, P.E.
Administrator, North Carolina Division

Date

State Historic Preservation Officer

Jeffrey J. Crow
North Carolina State Historic Preservation Officer

Date

FILED:

By: _____
Advisory Council on Historic Preservation

Date

APPENDIX A

Historic Structures and Landscape Recordation Plan Replacement of Bridge No. 100 on SR 2120 (McCoy Road) over Gar Creek Mecklenburg County, North Carolina TIP Project No. B-4200 Federal Aid Project No. BRSTP-2120(2) WBS No. 33547.1.1

Photographic Requirements

- Overall views of the Albert McCoy Farm and its immediate surroundings;
- Overall views of the farmstead and related fields and woodland;
- Elevations and oblique views of all component buildings, structures, and landscape elements and details of representative structural and ornamental features.

Photographic Format

- All images will be captured, labeled, and stored according to the North Carolina State Historic Preservation Office's "Policy and Guidelines for Digital Photography for Historic Property Surveys, National Register Nominations and NRAC PowerPoint Presentations, Revised November 2008."

Copies and Curation

- One (1) set of all photographic documentation will be deposited with the North Carolina Division of Archives and History/State Historic Preservation Office, to be made a permanent part of the statewide survey and iconographic collection.
- One (1) set of all photographic documentation will be deposited in the files of the Historic Architecture Group of NCDOT.
- One (1) set of all photographic documentation will be deposited with the property owners.
- One (1) set of all photographic documentation will be deposited with the Charlotte-Mecklenburg Historic Landmarks Commission.



M E C K L E N B U R G - U N I O N
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STALLINGS
UNION
COUNTY
WAXHAW
WEDDINGTON
WESLEY CHAPEL
WINGATE

TO: Technical Coordinating Committee
FROM: Nicholas Polimeni
MUMPO Principal Planner
DATE: May 26, 2011
SUBJECT: **NCDOT Prioritization 2.0 Process
Highway Projects**

BACKGROUND

The North Carolina Department of Transportation has released its timeline for the Prioritization 2.0 (P2.0) process. An overview of the process and timeline will be presented at the June TCC meeting. A major component of the P2.0 process is the submittal of projects from the MPO into the prioritization database. Highway, bicycle/pedestrian and transit projects will be submitted by MUMPO staff during the month of July. On Wednesday, May 25, a transportation staff meeting was held to begin the discussion about submitting highway projects into the NCDOT prioritization database. Approximately half of the TCC was represented at the meeting. Highlights from that meeting will be outlined in this memo in order to provide the context for the discussion that will take place at the June TCC meeting. Further details regarding bicycle/pedestrian projects and transit projects will be provided at the TCC meeting.

PROJECTS FOR INCLUSION IN THE NCDOT PRIORITIZATION DATABASE

Existing Projects

MUMPO submitted several projects into the prioritization database through the Prioritization 1.0 process in 2009. Many of those projects will remain in the database for one of the following reasons:

- 1) The project was not programmed in the current draft TIP.
- 2) The project is expected to be let for construction in years 8, 9 or 10 of NCDOT’s Ten Year Work Program.

Currently, MUMPO has 30 projects that fit into one of the above categories (see attached table titled Existing P2.0 Highway Projects). Those projects will remain in the database, be scored quantitatively by NCDOT and will be eligible for Local Input Ranking (points assigned by the MPO).

Projects to be Added

In addition to the projects already in the database, each MPO/RPO and NCDOT Division Office will be able to submit a total of 15 “new” projects into the database (projects that are not already in the database). Part of the discussion at the May 25 staff meeting focused on which 15 projects to add to the prioritization database. A proposal based on the endorsed LRTP project list was outlined by MUMPO staff. The following is a summary of the proposal and staff meeting discussion:

Parameters for the proposal

Projects to be entered into the prioritization database will be:

- Competing for equity dollars
- Expected to be let for construction in years 2018-2020 (or unfunded projects)
- Currently not in the database

MUMPO has the existing highway project lists:

- Approved fiscally constrained LRTP project list
 - Included in the approved 2035 LRTP
 - Organized by Horizon Year
- Ranked list of projects
 - Contains projects ranked using a methodology approved by the MPO

Staff's proposal based on the above parameters

The proposal suggests selecting the first 15 projects from the endorsed project lists

- Select projects from the approved 2035 LRTP project list first
- Select projects from the ranked, unfunded project list next (see attached table titled Proposed P2.0 Highway Projects)

Reactions to the proposal

No major objections were raised regarding the proposed rationale for selecting 15 projects

- Discussion about the inclusion of projects of greater urgency to be submitted to SPOT, in place of projects on the proposed project list resulted in three possibilities:
 - 1) Are there any projects on the fiscally constrained LRTP project list identified as locally funded that would change to equity funding?
 - 2) Should a local jurisdiction be allowed to substitute a project believed to be of greater importance for a project, in its jurisdiction, that is on the proposed list?
 - 3) NCDOT's Division 10 should be consulted regarding which projects it is proposing to submit in order to coordinate the needs of the MPO with the needs of the Division.

Conclusions

Using the existing LRTP project list as a basis for determining which 15 projects to select is a sound methodology

- If a jurisdiction would like to include a specific project on the list of 15 projects to be submitted to SPOT, then a valid argument for the project needs to be made that warrants its inclusion, and is accepted by the TCC

TIMELINE AND NEXT STEPS

All projects (highway, bicycle/pedestrian and transit) must be entered into the database by MUMPO staff **July 5-July 29**. After the July window for submitting projects closes, SPOT will quantitatively score all projects in the database and provide that information to MPOs/RPOs and NCDOT Division Offices. In **October-November 2011**, MPOs/RPOs and NCDOT Division Offices will be able to assign Local Input Ranks to those highway and bicycle/pedestrian projects that are in the database and have received a quantitative score.

The TCC will be asked to weigh in on the proposed methodology outlined above regarding which 15 projects to select. Another staff meeting will be scheduled in June to determine which 15 projects to propose that the TCC recommend to the MPO for inclusion in the prioritization database. In July, the TCC and MPO will be asked to take action to approve a list of 15 projects. Updates will be provided throughout the process.

MUMPO Existing P2.0 Highway Projects

TIP #	Project	From/Cross Street	To
I-3311B	I-77 Widening	I-485	West Catawba Av
I-3311C	I-77 Widening	5th St in Charlotte	I-85
R-2555B	Catawba Av Widening	NC 73 (Sam Furr Rd)	Jetton Rd
R-2632AB	NC 73 Widening	NC 115	Davidson-Concord Rd
R-3802	NC 16 Widening	Rea Road Ext in Weddington	NC 75 in Waxhaw
R-4059	US 21 Intersection Improvements	Catawba Av	
U-0203	Little Rock Rd Access Revision	I-85	Charlotte-Douglas International Airport
U-0213	Charlotte Av Widening	CSX Railroad	Concord Av
U-2509	Independence Bl	I-485	Idlewild Rd
U-2547	Charles St Widening	Sunset Dr	Franklin St
U-2549	Monroe Northern Loop	US 74	Walkup Av at Bivens Rd
U-2704B	Wilkinson Bl Improvements	US 521 (Billy Graham Pkwy)	
U-3467	Rea Road Ext	NC 16	Indian Trail-Waxhaw Rd
U-3619	Secrest Avenue Ext	Walkup Av	Olive Branch Rd
U-4024A	US 601 Widening and Interchange Improvements	Existing US 74	Proposed Monroe Bypass (R-2559)
U-4024B	US 601 Widening and Interchange Improvements	Existing US 74	
U-4024C	US 601 Widening and Interchange Improvements	Existing US 74	

TIP #	Project	From/Cross Street	To
U-4713A	McKee Road Ext	Pleasant Plains Rd	John St
U-4714A	John St/Old Monroe Rd Widening	Trade St	I-485
U-4714C	John St/Old Monroe Rd Widening	Indian Trail Rd	Wesley Chapel-Stouts Rd
U-4913	Idlewild Rd Widening	I-485	Stevens Mill Rd
U-5007	NC 51 Widening	US 74 (Independence Bl)	Lawyers Rd
U-5008	Sugar Creek Rd Grade Separation	NC Railroad Crossing	
	NC 115 Bicycle Lanes and Sidewalk Improvements	Legion St	Smith Rd
	Gilead Rd Widening	US 21 (Statesville Rd)	NC 115
	Billy Graham Pkwy New Interchange	NC 160 (West Bl)	
	Rocky River Rd Widening	Old Charlotte Hwy	US 74
	Statesville Rd Widening	Sunset Rd	Catawba Av
	Freedom Dr/Mount Holly Rd Widening	Toddville Rd	I-485
	Waxhaw Bypass	NC 75	NC 75

**15 additional projects may be added to the database July 5-July 29, 2011*

MUMPO Proposed P2.0 Highway Projects

By Horizon Year

Horizon Year	L RTP Rank	Project	From	To
2025	5	Old Statesville Rd (NC 115) Widening	Baily Rd	Potts St
2025	9	Old Statesville Rd (NC 115) Widening	Potts St	County Line
2025	15	West Blvd Ext Widening	Steele Creek Rd	I-485
2025	24	Airport Road Widening	Goldmine Rd	NC 84
2035	13	Statesville Road (US 21) Widening	Harris Blvd	Gilead Rd
2035	28	Bridgeford/Northdowns Connector New Road	Bridgeford Ln	Northdowns Ln
2035	42	Billy Graham/Morris Field Dr Grade Separation	N/A	N/A
Unfunded	21	NC 73 West Widening	Northcross Dr	US 21
Unfunded	22	Eastern Circumferential Road Widening	Idlewild Rd	US 74
Unfunded	25	NC 73 East Widening	NC 115	Davidson-Concord Rd
Unfunded	26	Old Charlotte Highway Widening	Wesley Chapel-Stouts Rd	Rocky River Rd
Unfunded	27	Roosevelt Blvd. (US 74) Widening	Hanover Dr	Monroe City Limits
Unfunded	29	I-77 Flyover New Road	Northcross Dr	US 21
Unfunded	32	Hambright Rd Ext New Road	Everette Keith Rd	Eastfield Rd
Unfunded	34	Statesville Road (US 21) Widening	Gilead Rd	Holly Point Dr

MUMPO Proposed P2.0 Highway Projects

By LRTP Rank

Horizon Year	LRTP Rank	Project	From	To
2025	5	Old Statesville Rd (NC 115) Widening	Baily Rd	Potts St
2025	9	Old Statesville Rd (NC 115) Widening	Potts St	County Line
2035	13	Statesville Road (US 21) Widening	Harris Blvd	Gilead Rd
2025	15	West Blvd Ext Widening	Steele Creek Rd	I-485
Unfunded	21	NC 73 West Widening	Northcross Dr	US 21
Unfunded	22	Eastern Circumferential Road Widening	Idlewild Rd	US 74
2025	24	Airport Road Widening	Goldmine Rd	NC 84
Unfunded	25	NC 73 East Widening	NC 115	Davidson-Concord Rd
Unfunded	26	Old Charlotte Highway Widening	Wesley Chapel-Stouts Rd	Rocky River Rd
Unfunded	27	Roosevelt Blvd. (US 74)	Hanover Dr	Monroe City Limits
2035	28	Bridgeford/Northdowns Connector New Road	Bridgeford Ln	Northdowns Ln
Unfunded	29	I-77 Flyover New Road	Northcross Dr	US 21
Unfunded	32	Hambright Rd Ext New Road	Everette Keith Rd	Eastfield Rd
Unfunded	34	Statesville Road (US 21) Widening	Gilead Rd	Holly Point Dr
2035	42	Billy Graham/Morris Field Dr Grade Separation	N/A	N/A