

**Appendix A: Comments Received from Federal and State Agencies and Regional  
and Local Governments**

THIS PAGE INTENTIONALLY LEFT BLANK

**STATE AGENCY COMMENTS**

THIS PAGE INTENTIONALLY LEFT BLANK



Mason  
**RECEIVED**  
MAR 19 2008  
DIVISION OF HIGHWAYS  
PDEA-OFFICE OF NATURAL ENVIRONMENT

March 17, 2008

**MEMORANDUM**

To: Gregory J. Thorpe, Director, Project Development and Environmental Analysis Branch

From: David Wainwright, NC Division of Water Quality

Subject: Scoping comments on proposed improvements to Macy Grove Road in Forsyth and Guilford Counties, Federal Aid Project No. STP-2601(I), State Project No. 8.2624801, TIP Projects U-2800 and U-4734.

In reference to your correspondence dated February 25, 2008, in which you requested comments for the above project, the DWQ would like to submit the following comments. Preliminary analysis of the project reveals the potential for multiple impacts to perennial streams and jurisdictional wetlands in the project area. More specifically, impacts to:

Stream Name	River Basin	Stream Classification(s)	Stream Index Number
West Fork Deep River	Cape Fear	WS IV	17-3-(0.3)
East Belews Creek	Roanoke	B	22-27-8-(2)
Abbotts Creek	Yadkin	WS III	12-119-(1)
Reedy Fork	Cape Fear	WS III; NSW	16-11-(1)
Beaver Creek	Cape Fear	WS III; NSW	16-11-2

Further investigations at a higher resolution should be undertaken to verify the presence of other streams and/or jurisdictional wetlands in the area. In the event that any jurisdictional areas are identified, the Division of Water Quality requests that NCDOT consider the following environmental issues for the proposed project:

**Project Specific Comments:**

1. Reedy Fork and Beaver Creek are class WS III; NSW waters of the State. DWQ is very concerned with sediment and erosion impacts that could result from this project. DWQ recommends that highly protective sediment and erosion control BMPs be implemented to reduce the risk of nutrient runoff to Reedy Fork and Beaver Creek. DWQ requests that road design plans provide treatment of the storm water runoff through best management practices as detailed in the most recent version of the NC DWQ *Stormwater Best Management Practices*.
2. Beaver Creek is class WS III; NSW; 303(d) waters of the State. Beaver Creek is on the 303(d) list for impaired use for aquatic life due to biological integrity DWQ is very concerned with sediment and erosion impacts that could result from this project. DWQ recommends that the most

protective sediment and erosion control BMPs be implemented to reduce the risk of nutrient runoff to Beaver Creek. DWQ requests that road design plans provide treatment of the storm water runoff through best management practices as detailed in the most recent version of NC DWQ *Stormwater Best Management Practices*.

3. Review of the project reveals the presence of surface waters (West Fork Deep River) classified as Water Supply Critical Area in the project study area. Given the potential for impacts to these resources during the project implementation, the DWQ requests that DOT strictly adhere to North Carolina regulations entitled "Design Standards in Sensitive Watersheds" (15A NCAC 04B .0124) throughout design and construction of the project. This would apply for any area that drains to streams having WS CA(Water Supply Critical Area) classifications.

Should a bridge be located within the Critical Area of a Water Supply, the NCDOT will be required to design, construct, and maintain hazardous spill catch basins in the project area. The number of catch basins installed should be determined by the design of the bridge, so that runoff would enter said basin(s) rather than flowing directly into the stream, and in consultation with the DWQ.

#### **General Project Comments:**

4. The environmental document should provide a detailed and itemized presentation of the proposed impacts to wetlands and streams with corresponding mapping. If mitigation is necessary as required by 15A NCAC 2H.0506(h), it is preferable to present a conceptual (if not finalized) mitigation plan with the environmental documentation. Appropriate mitigation plans will be required prior to issuance of a 401 Water Quality Certification.
5. Environmental assessment alternatives should consider design criteria that reduce the impacts to streams and wetlands from storm water runoff. These alternatives should include road designs that allow for treatment of the storm water runoff through best management practices as detailed in the most recent version of NC DWQ *Stormwater Best Management Practices*, such as grassed swales, buffer areas, preformed scour holes, retention basins, etc.
6. After the selection of the preferred alternative and prior to an issuance of the 401 Water Quality Certification, the NCDOT is respectfully reminded that they will need to demonstrate the avoidance and minimization of impacts to wetlands (and streams) to the maximum extent practical. In accordance with the Environmental Management Commission's Rules {15A NCAC 2H.0506(h)}, mitigation will be required for impacts of greater than 1 acre to wetlands. In the event that mitigation is required, the mitigation plan should be designed to replace appropriate lost functions and values. The NC Ecosystem Enhancement Program may be available for use as wetland mitigation.
7. In accordance with the Environmental Management Commission's Rules {15A NCAC 2H.0506(h)}, mitigation will be required for impacts of greater than 150 linear feet to any single perennial stream. In the event that mitigation is required, the mitigation plan should be designed to replace appropriate lost functions and values. The NC Ecosystem Enhancement Program may be available for use as stream mitigation.

8. DWQ is very concerned with sediment and erosion impacts that could result from this project. NC DOT should address these concerns by describing the potential impacts that may occur to the aquatic environments and any mitigating factors that would reduce the impacts.
9. If an old bridge is to be removed, no discharge of bridge material into surface waters is allowed unless otherwise authorized by the US ACOE. Strict adherence to the Corps of Engineers guidelines for bridge demolition will be a condition of the 401 Water Quality Certification.
10. Bridge supports (bents) should not be placed in the stream when possible.
11. Whenever possible, the DWQ prefers spanning structures. Spanning structures usually do not require work within the stream or grubbing of the streambanks and do not require stream channel realignment. The horizontal and vertical clearances provided by bridges allow for human and wildlife passage beneath the structure, do not block fish passage and do not block navigation by canoeists and boaters.
12. Bridge deck drains should not discharge directly into the stream. Stormwater should be directed across the bridge and pre-treated through site-appropriate means (grassed swales, pre-formed scour holes, vegetated buffers, etc.) before entering the stream. Please refer to the most current version of NC DWQ *Stormwater Best Management Practices*.
13. If concrete is used during construction, a dry work area should be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete should not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills.
14. If temporary access roads or detours are constructed, the site should be graded to its preconstruction contours and elevations. Disturbed areas should be seeded or mulched to stabilize the soil and appropriate native woody species should be planted. When using temporary structures the area should be cleared but not grubbed. Clearing the area with chain saws, mowers, bush-hogs, or other mechanized equipment and leaving the stumps and root mat intact allows the area to re-vegetate naturally and minimizes soil disturbance.
15. Placement of culverts and other structures in waters, streams, and wetlands should be below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures should not be conducted in a manner that may result in dis-equilibrium of wetlands or streambeds or banks, adjacent to or upstream and down stream of the above structures. The applicant is required to provide evidence that the equilibrium is being maintained if requested in writing by DWQ. If this condition is unable to be met due to bedrock or other limiting features encountered during construction, please contact the NC DWQ for guidance on how to proceed and to determine whether or not a permit modification will be required.
16. If multiple pipes or barrels are required, they should be designed to mimic natural stream cross section as closely as possible including pipes or barrels at flood plain elevation and/or sills where

appropriate. Widening the stream channel should be avoided. Stream channel widening at the inlet or outlet end of structures typically decreases water velocity causing sediment deposition that requires increased maintenance and disrupts aquatic life passage.

17. If foundation test borings are necessary; it should be noted in the document. Geotechnical work is approved under General 401 Certification Number 3494/Nationwide Permit No. 6 for Survey Activities.
18. Sediment and erosion control measures sufficient to protect water resources must be implemented and maintained in accordance with the most recent version of North Carolina Sediment and Erosion Control Planning and Design Manual and the most recent version of NCS000250.
19. All work in or adjacent to stream waters should be conducted in a dry work area unless otherwise approved by NC DWQ. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual such as sandbags, rock berms, cofferdams and other diversion structures should be used to prevent excavation in flowing water.
20. Sediment and erosion control measures should not be placed in wetlands and streams.
21. Borrow/waste areas should avoid wetlands to the maximum extent practical. Impacts to wetlands in borrow/waste areas could precipitate compensatory mitigation.
22. While the use of National Wetland Inventory (NWI) maps, NC Coastal Region Evaluation of Wetland Significance (NC-CREWS) maps and soil survey maps are useful tools, their inherent inaccuracies require that qualified personnel perform onsite wetland delineations prior to permit approval.
23. Heavy equipment should be operated from the bank rather than in stream channels in order to minimize sedimentation and reduce the likelihood of introducing other pollutants into streams. This equipment should be inspected daily and maintained to prevent contamination of surface waters from leaking fuels, lubricants, hydraulic fluids, or other toxic materials.
24. In most cases, the DWQ prefers the replacement of the existing structure at the same location with road closure. If road closure is not feasible, a temporary detour should be designed and located to avoid wetland impacts, minimize the need for clearing and to avoid destabilizing stream banks. If the structure will be on a new alignment, the old structure should be removed and the approach fills removed from the 100-year floodplain. Approach fills should be removed and restored to the natural ground elevation. The area should be stabilized with grass and planted with native tree species. Tall fescue should not be used in riparian areas.
25. Riprap should not be placed in the active thalweg channel or placed in the streambed in a manner that precludes aquatic life passage. Bioengineering boulders or structures should be properly designed, sized and installed.

Thank you for requesting our input at this time. The DOT is reminded that issuance of a 401 Water Quality Certification requires that appropriate measures be instituted to ensure that water quality

standards are met and designated uses are not degraded or lost. If you have any questions or require additional information, please contact David Wainwright at (919) 715-3415.

cc: John Thomas, US Army Corps of Engineers, Raleigh Field Office  
Federal Highway Administration  
Chris Militscher, Environmental Protection Agency  
Marla Chambers, NC Wildlife Resources Commission  
Marella Buncick, US Fish and Wildlife Service  
Amy Euliss, DWQ Winston-Salem Regional Office  
File Copy

THIS PAGE INTENTIONALLY LEFT BLANK



## ☒ North Carolina Wildlife Resources Commission ☒

---

TO: Gregory J. Thorpe, Ph.D., Director  
Project Development and Environmental Analysis Branch, NCDOT

FROM: Marla Chambers, Western NCDOT Permit Coordinator *Marla Chambers*  
Habitat Conservation Program, NCWRC

DATE: November 24, 2008

SUBJECT: Review of NCDOT scoping sheets for improvements to and extension of Macy Grove Road (SR 2601), including converting a grade separation at I-40 Business to an interchange, Kernersville, Forsyth County. TIP No. U-2800 and U-4734.

North Carolina Department of Transportation (NCDOT) is requesting comments from the North Carolina Wildlife Resources Commission (NCWRC) regarding impacts to fish and wildlife resources resulting from the subject project. Staff biologists have reviewed the information provided on the scoping sheets and have the following preliminary comments. These comments are provided in accordance with the provisions of the National Environmental Policy Act (42 U.S.C. 4332(2)(c)) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661-667d).

The NCDOT proposes to improve SR 2601 (Macy Grove Road) from SR 4319 (Industrial Park Drive) to SR 1005 (Old US 421/East Mountain Street), converting a grade separation at I-40 Business to an interchange and extending SR 2601 (Macy Grove Road) from SR 1005 (Old US 421/East Mountain Street) to NC 150 (North Main Street). The majority of the study area falls within the Cape Fear River basin and it appears that the project area north of I-40, the Reedy Fork drainage, is class WS-III NSW waters. The southern portion on the study area appears to be class WS-IV waters.

Cumulative and secondary impacts are likely to be a greater concern than direct impacts and should be well-addressed in the Environmental Assessment. Growth management, stormwater management, and sediment and erosion control measures should be implemented by NCDOT and local authorities to minimize negative secondary impacts. Numerous studies have shown that when 10–15% of a watershed is converted to impervious surfaces, there is a serious decline

in the health of receiving waters (Schueler 1994) and the quality of fish habitat and wetlands are negatively impacted (Booth 1991, Taylor 1993). Measures to mitigate secondary and cumulative impacts can be found in the Guidance Memorandum to Address and Mitigate Secondary and Cumulative Impacts to Aquatic and Terrestrial Wildlife Resources and Water Quality (NCWRC 2002). Information on Low Impact Development (LID) practices and measures can be found at [www.lowimpactdevelopment.org](http://www.lowimpactdevelopment.org), <http://www.epa.gov/owow/nps/lid/lidnatl.pdf> and <http://www.stormwatercenter.net/>.

In addition, to help facilitate document preparation and the review process, our general information needs are outlined below:

1. Description of fishery and wildlife resources within the project area, including a listing of federally or state designated threatened, endangered, or special concern species. Potential borrow areas to be used for project construction should be included in the inventories. A listing of designated plant species can be developed through consultation with the following programs:

The Natural Heritage Program  
<http://www.ncnhp.org>  
1601 Mail Service Center  
Raleigh, N. C. 27699-1601

and,

NCDA Plant Conservation Program  
P. O. Box 27647  
Raleigh, N. C. 27611  
(919) 733-3610

2. Description of any streams or wetlands affected by the project. If applicable, include the linear feet of stream that will be channelized or relocated.
3. Cover type maps showing wetland acreage impacted by the project. Wetland acreage should include all project-related areas that may undergo hydrologic change as a result of ditching, other drainage, or filling for project construction. Wetland identification may be accomplished through coordination with the U. S. Army Corps of Engineers (USACE). If the USACE is not consulted, the person delineating wetlands should be identified and criteria listed.
4. Cover type maps showing acreage of upland wildlife habitat impacted by the proposed project. Potential borrow sites and waste areas should be included.
5. Show the extent to which the project will result in loss, degradation, or fragmentation of wildlife habitat (wetlands or uplands).
6. Include the mitigation plan for avoiding, minimizing or compensating for direct and indirect degradation in habitat quality as well as quantitative losses.

7. Address the overall environmental effects of the project construction and quantify the contribution of this individual project to environmental degradation.
8. Provide a discussion of the probable impacts on natural resources, which will result from secondary development, facilitated by the improved road access.
9. If construction of this facility is to be coordinated with other state, municipal, or private development projects, a description of these projects should be included in the environmental document, and all project sponsors should be identified.

Thank you for the opportunity to provide input in the early planning stages of this project. If you have any questions regarding these comments, please contact me at (704) 485-8291.

cc: Polly Lespinasse, NCDWQ  
Troy Wilson, USFWS  
Joanna Harrington, URS Corporation

Literature Cited:

- Booth, D. 1991. Urbanization and the natural drainage system-impacts, solutions, and prognoses. *Northwest Environmental Journal*. 7(1):93-118.
- NCWRC (North Carolina Wildlife Resources Commission). 2002. Guidance Memorandum to Address and Mitigate Secondary and Cumulative Impacts to Aquatic and Terrestrial Wildlife Resources and Water Quality. NCWRC, Raleigh. Available: [http://www.ncwildlife.org/pg07\\_WildlifeSpeciesCon/pg7c3\\_impacts.pdf](http://www.ncwildlife.org/pg07_WildlifeSpeciesCon/pg7c3_impacts.pdf). (February 2003).
- Schueler, Tom. 1994. The Importance of Imperviousness. *Watershed Protection Techniques*. 1:3 (pp100-111).
- Taylor, B.L. 1993. The influences of wetland and watershed morphological characteristics and relationships to wetland vegetation communities. Masters thesis. Dept. of Civil Engineering. University of Washington. Seattle, WA.

THIS PAGE INTENTIONALLY LEFT BLANK



JAN 02 2009

North Carolina Department of Cultural Resources  
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor  
Lisbeth C. Evans, Secretary  
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

December 23, 2008

MEMORANDUM

TO: Greg Thorpe, Ph.D., Director  
Project Development and Environmental Analysis Branch  
NCDOT Division of Highways

FROM: Peter Sandbeck *PBS for Peter Sandbeck*

SUBJECT: Widen SR 2601 to a Multilane Facility from SR 4319 to SR 1005, U-2800, Forsyth County,  
ER 08-2885

Thank you for your letter of February 25, 2008 which we received on December 3, 2008, concerning the above project.

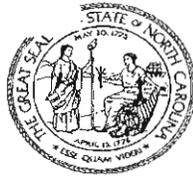
We have conducted a review of the proposed undertaking and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the undertaking as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-807-6579. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Mary Pope Furr, NCDOT  
Matt Wilkerson, NCDOT

THIS PAGE INTENTIONALLY LEFT BLANK



JAN 09 2009

North Carolina Department of Cultural Resources  
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Michael F. Easley, Governor  
Lisbeth C. Evans, Secretary  
Jeffrey J. Crow, Deputy Secretary  
December 23, 2008

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

MEMORANDUM

TO: Greg Thorpe, Ph.D., Director  
Project Development and Environmental Analysis Branch  
NCDOT Division of Highways

FROM: Peter Sandbeck *PSS for Peter Sandbeck*

SUBJECT: Extend SR 2601 (Macy Grove Road) from SR 1005 (Old US 421/East Mountain Street) to NC 150 (North Main Street), U-4734, Forsyth County, ER 08-2890

Thank you for your letter of February 25, 2008, which we received on December 3, 2008, concerning the above project. We have reviewed our maps and files and offer the following comments.

Archaeological sites 31FY197 and 31FY393 are located within the study area of the proposed project. 31FY197 is an Archaic and Woodland period site that was recorded in 1975. 31FY393 is an Archaic period site that was recorded in the 1970s. Neither site has been evaluated for its eligibility for inclusion in the National Register of Historic Places. If either site is to be affected by the proposed project, they need to be re-located and evaluated prior to project implementation.

When alternatives become available, please forward them to us so we can make recommendations regarding the need for archaeological survey and testing.

We have conducted a search of our maps and files and have located the following structures of historical or architectural importance within the general area of the project:

- ◆ FY 384, the Henry Clay Edwards House, was added to the Study List on April 8, 1982.

We recommend that a Department of Transportation architectural historian evaluate this and any other structures over fifty years of age within the project area and report the findings to us.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919/807-6579. In all future communication concerning this project, please cite the above-referenced tracking number.

cc: Matt Wilkerson, NCDOT  
Mary Pope Furr, NCDOT

THIS PAGE INTENTIONALLY LEFT BLANK



North Carolina Department of Cultural Resources  
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Beverly Eaves Perdue, Governor  
Linda A. Carlisle, Secretary  
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

May 17, 2010

MEMORANDUM

TO: Matt Wilkerson  
Office of Human Environment  
NCDOT Division of Highways

FROM: Peter Sandbeck *for Peter Sandbeck*

SUBJECT: Intensive Archaeological Survey and Evaluation (Phase I and II) for Extension of SR 2601 (Macy Grove Road) from SR 1005 (Old US 421/East Mountain Street) to NC 150 (North Main Street), Kernersville vicinity, U-4734, Forsyth County, ER 08-2890

Thank you for your letter of April 8, 2010, transmitting the survey report by Matthew Jorgenson and Marvin Brown of URS Corporation for the above project.

For purposes of compliance with Section 106 of the National Historic Preservation Act, we concur that the following properties are not eligible for listing in the National Register of Historic Places:

31FY1184&1184\*\*, 31FY1185, 31FY1186, 31FY1187&1187\*\* and 31FY1188\*\*

None of these archaeological sites retain sufficient contextual integrity to yield information important to history or prehistory.

The report meets our office's guidelines and those of the Secretary of the Interior. We concur with the recommendation that no additional archaeological investigation is warranted in connection with this project as currently proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, please contact Renee Gledhill-Earley, environmental review coordinator, at 919/807-6579. In all future communication concerning this project, please cite the above-referenced tracking number.

cc: Matt Jorgenson, URS Corporation – North Carolina  
Felix Davila, FHWA

THIS PAGE INTENTIONALLY LEFT BLANK



North Carolina Department of Cultural Resources  
State Historic Preservation Office

Peter B. Sandbeck, Administrator

Beverly Eaves Perdue, Governor  
Linda A. Carlisle, Secretary  
Jeffrey J. Crow, Deputy Secretary

Office of Archives and History  
Division of Historical Resources  
David Brook, Director

September 24, 2010

**MEMORANDUM**

To: Vanessa Patrick, Architectural Historian  
NCDOT/PDEA/HEU

From: Renee Gledhill-Earley   
Environmental Review Coordinator

Re: Henry Clay Edwards House, Macy Grove Road (SR 2601) Improvements, Kernersville, U-4734  
and U-2800, Forsyth County, ER08-2890

This memorandum is to follow up the September 22, 2010, on-site visit made by staff of the State Historic Preservation Office with you to the Henry Clay Edwards House (FY384). Members of our staff were Ann Swallow, Survey Specialist for Forsyth County and National Register Coordinator; Mitch Wilds, Restoration Specialist for Forsyth County and Head of the Restoration Branch, and me. The purpose of the visit was to meet Mitch Easter, owner of the Henry Clay Edwards House, and tour the house to better understand changes he has made to the house since it was placed on the State Study List in 1982.

Mr. Easter graciously showed us the entire house, which he has renovated to make it a place that he enjoys living and to address problems that he encountered after purchasing the house from members of the builder's family. Several of the work items are understandable and were implemented to make the house safe and habitable, including roofing, plumbing, electrical upgrades, and shoring up of the rear ell. Other changes, while taken to address moisture, dust, and noise do not meet the *Secretary of the Interior's Standards* and have changed the character of important architectural elements. These include the lowering of the floor of the left, front parlor; the use of concrete for that floor; installation of stone wainscot, and replacement of beaded-board ceilings with coffered ceilings in two of the downstairs parlors. The front porch has also been enclosed with panels of prism glass from a former storefront and marbled stained glass. Approximately two-thirds of the porch has received vertical board wainscot.

We believe that these changes constitute a degree of alteration that is not in keeping with the historic character of the house and resulted in the loss of historic materials. Thus, it is our opinion that the Henry Clay Edwards House is not eligible for listing in the National Register of Historic Places.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-807-6579. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Mary Pope Furr, NCDOT  
Donnie Brew, FHWA  
Mitch Easter  
LeAnn Pegram, Forsyth County HRC



## North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor

December 4, 2008

William G. Ross Jr., Secretary

Mr. Christopher M. Werner  
URS Corporation  
1600 Perimeter Park Drive, Suite 400  
Morrisville, NC 27560

Subject: Scoping – U-4734; Macy Grove Road Extension, SR 1005 (East Mountain Street) to NC 150 (North Main Street); Kernersville, Forsyth County  
TIP No.: U-4734

Dear Mr. Werner:

The Natural Heritage Program has no record of rare species, significant natural communities, or significant natural heritage areas at the site nor within a mile of the project area. However, our maps show the location of the 123.6-acre Triad Park, owned/operated by Forsyth County, within the project area. In fact, the project map shows “U-4734 Approximate Location” as passing through the western portion of this conservation area/local park (see enclosed map). Thus, it is very important that you coordinate the project with Forsyth County park staff, so that the road can be routed around the park, or, if run through the park, that the least amount of damage is done to natural resources.

You may wish to check the Natural Heritage Program database website at [www.ncnhp.org](http://www.ncnhp.org) for a listing of rare plants and animals and significant natural communities in the county and on the quad map. Our Program also has a new website that allows users to obtain information on element occurrences and significant natural heritage areas within two miles of a given location:

<[http://nhpweb.enr.state.nc.us/nhis/public/gmap75\\_main.phtml](http://nhpweb.enr.state.nc.us/nhis/public/gmap75_main.phtml)>. The user name is "public" and the password is "heritage". You may want to click “Help” for more information.

NC OneMap now provides digital Natural Heritage data online for free. This service provides site specific information on GIS layers with Natural Heritage Program rare species occurrences and Significant Natural Heritage Areas. The NC OneMap website provides Element Occurrence (EO) ID numbers (instead of species name), and the data user is then encouraged to contact the Natural Heritage Program for detailed information. This service allows the user to quickly and efficiently get site specific NHP data without visiting the NHP workroom or waiting for the Information Request to be answered by NHP staff. For more information about data formats and access, visit <[www.nconemap.com](http://www.nconemap.com)>, then click on “FTP Data Download”, and then “nheo.zip” [to the right of “Natural Heritage Element Occurrences”]. You may also e-mail NC OneMap at <[dataq@ncmail.net](mailto:dataq@ncmail.net)> for more information.

Please do not hesitate to contact me at 919-715-8697 if you have questions or need further information.

Sincerely,

A handwritten signature in blue ink that reads "Harry E. LeGrand, Jr." with a stylized flourish at the end.

Harry E. LeGrand, Jr., Zoologist  
Natural Heritage Program

Enclosure

cc: Vincent J. Rhea, N.C. Dept. of Transportation



Proposed US 4734 location

Triad Park  
123.6 acres

Kernersville

Shady  
1934

THIS PAGE INTENTIONALLY LEFT BLANK

## **Appendix B: Traffic Forecast Figures**

THIS PAGE INTENTIONALLY LEFT BLANK





**2008**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
**ALTERNATIVE 1 – NO BUILD**  
**SHEET 2 OF 2**

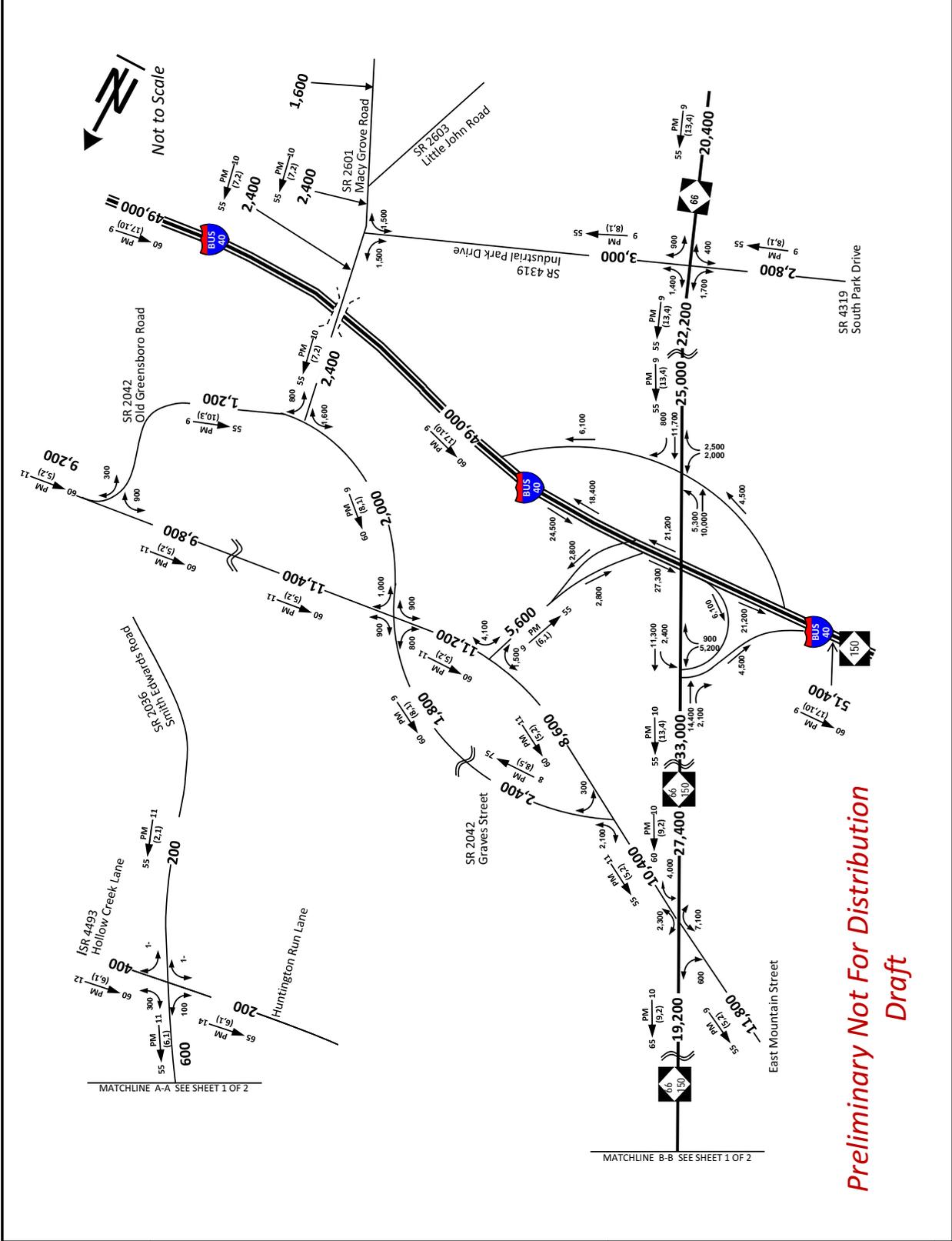
**LEGEND**

### No. of Vehicles Per Day (VPD)  
 1- Less than 50 VPD  
 X Movement Prohibited  
 DHV Design Hourly Volume  
 PM Peak Period  
 D Peak Hour Directional Split  
 (d,t) Indicates Direction of D  
 (d,t) Duals, TT-STs (%)

DHV PM → D  
 (d,t) → D

TIP: U-4734 AND U-2800 WBS: 36600.1.1  
 COUNTY: FORSYTH DIVISION: 9  
 DATE: June, 2009  
 Prepared by: Martin/Alexiou/Bryson  
 LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)  
 PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening

DIAGRAM 1



**Preliminary Not For Distribution**  
**Draft**





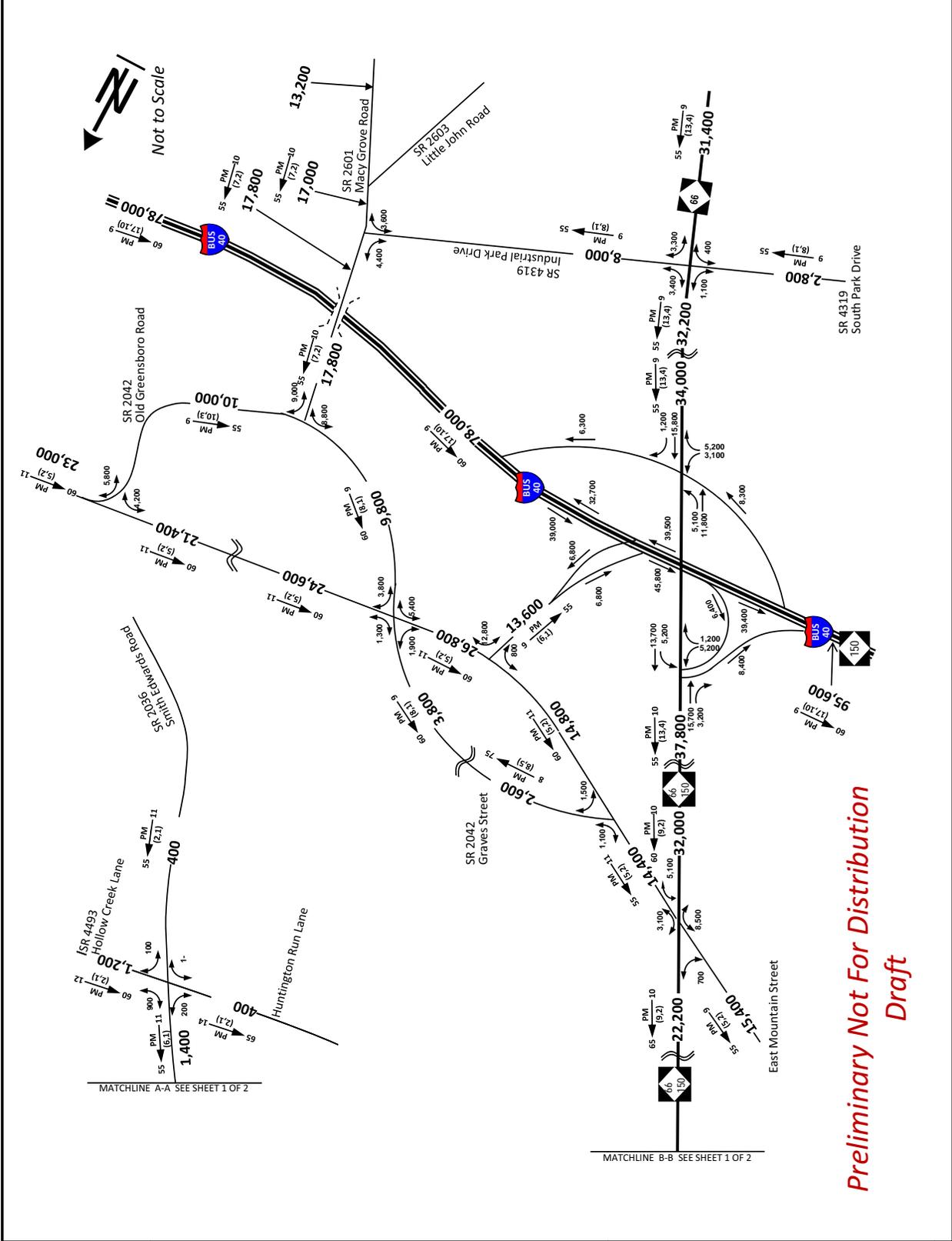
**2030**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
**ALTERNATIVE 2- NO BUILD**  
 SHEET 1 OF 2

**LEGEND**

### No. of Vehicles Per Day (VPD)  
 1- Less than 50 VPD  
 X Movement Prohibited  
 DHV Design Hourly Volume  
 PM Peak Period  
 D Peak Hour Directional Split  
 (d,t) Indicates Direction of D  
 Duals, TT-STs (%)

TIP: U-4734 AND U-2800	WBS: 36600.1.1
COUNTY: FORSYTH	DIVISION: 9
DATE: June, 2009	
Prepared by: Martin/Alexiou/Bryson	
LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)	
PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening	

DIAGRAM 2



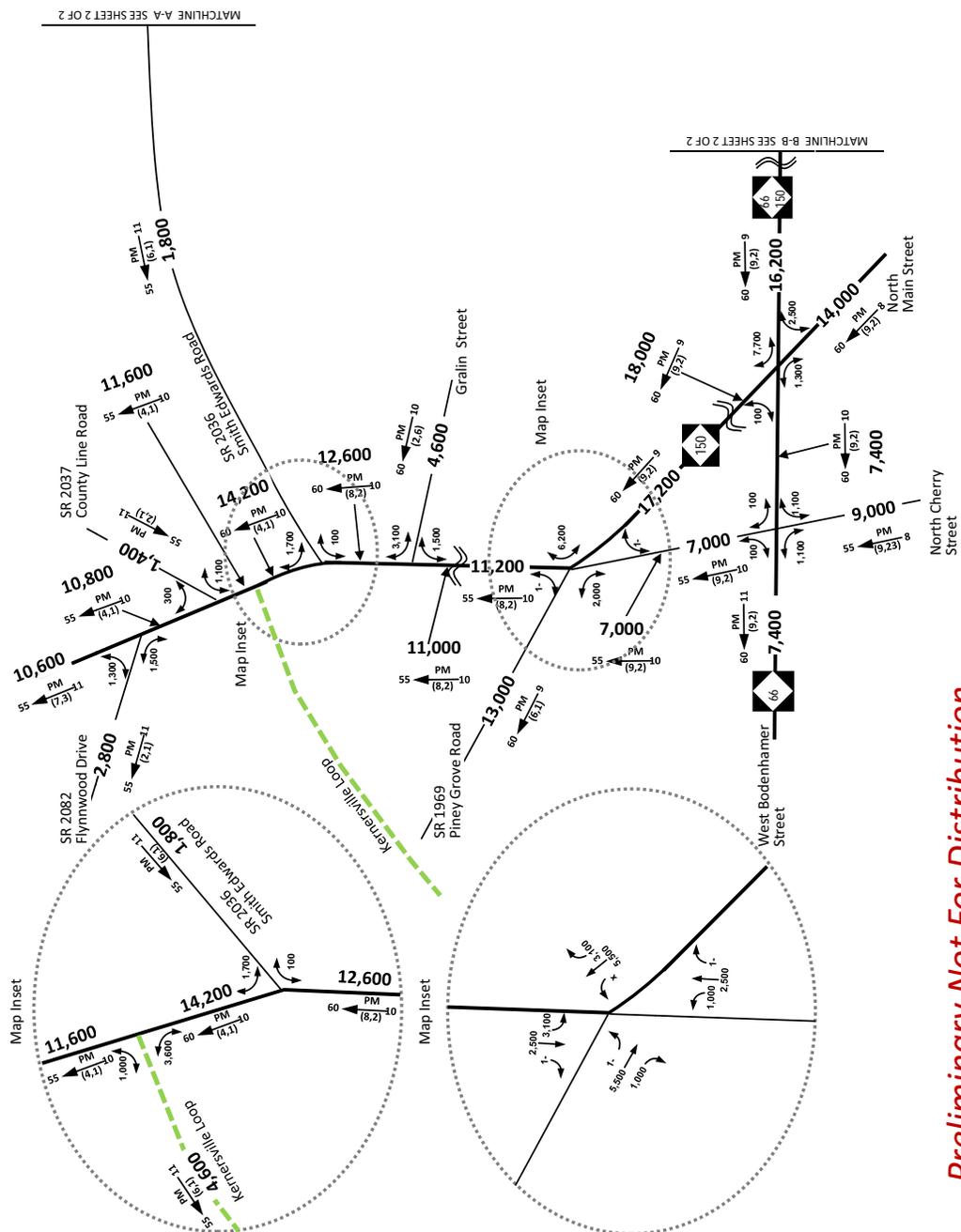
**Preliminary Not For Distribution**  
**Draft**



**2035**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
**ALTERNATIVE 3 – NO BUILD**  
 SHEET 1 OF 2

- LEGEND**
- ### No. of Vehicles Per Day (VPD)
  - 1- Less than 50 VPD
  - X Movement Prohibited
  - DHV Design Hourly Volume
  - PM Peak Period
  - D Peak Hour Directional Split
  - (d,t) Indicates Direction of D
  - Duals, TT-STs (%)

TIP: U-4734 AND U-2800	WBS: 36600.1.1
COUNTY: FORSYTH	DIVISION: 9
DATE: June, 2009	
Prepared by: Martin/Alexiou/Bryson	
LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)	
PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening	



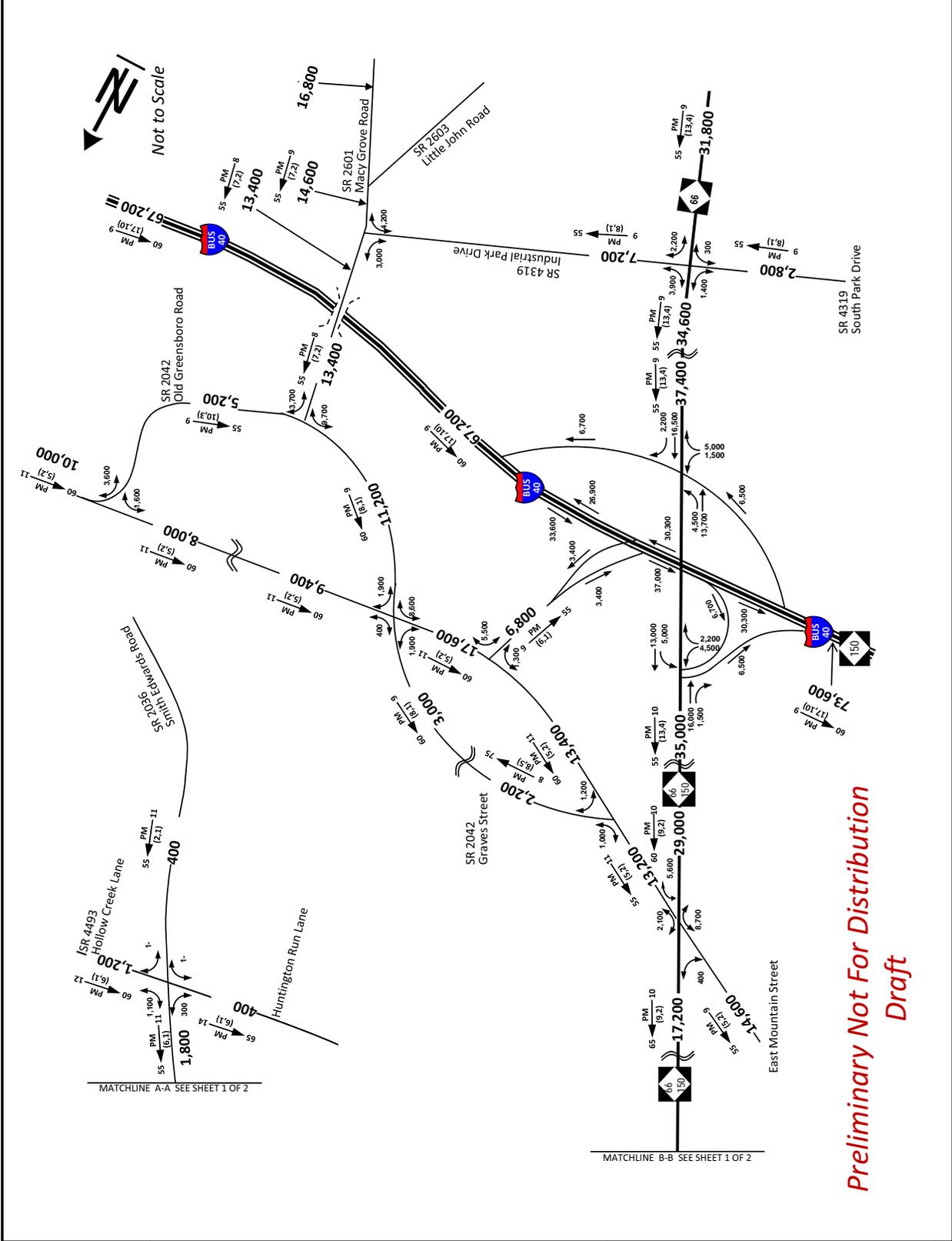
*Preliminary Not For Distribution  
 Draft*



**2035**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
**ALTERNATIVE 3 – NO BUILD**  
 SHEET 2 OF 2

- LEGEND**
- ### No. of Vehicles Per Day (VPD)
  - 1- Less than 50 VPD
  - X Movement Prohibited
  - DHV Design Hourly Volume
  - PM Peak Period
  - D Peak Hour Directional Split
  - (d,t) Indicates Direction of D
  - Duals, TT-STs (%)

TIP: U-4734 AND U-2800		WBS: 36600.1.1
COUNTY: FORSYTH	DIVISION: 9	
DATE: June, 2009		
Prepared by: Martin/Alexiou/Bryson		
LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)		
PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening		

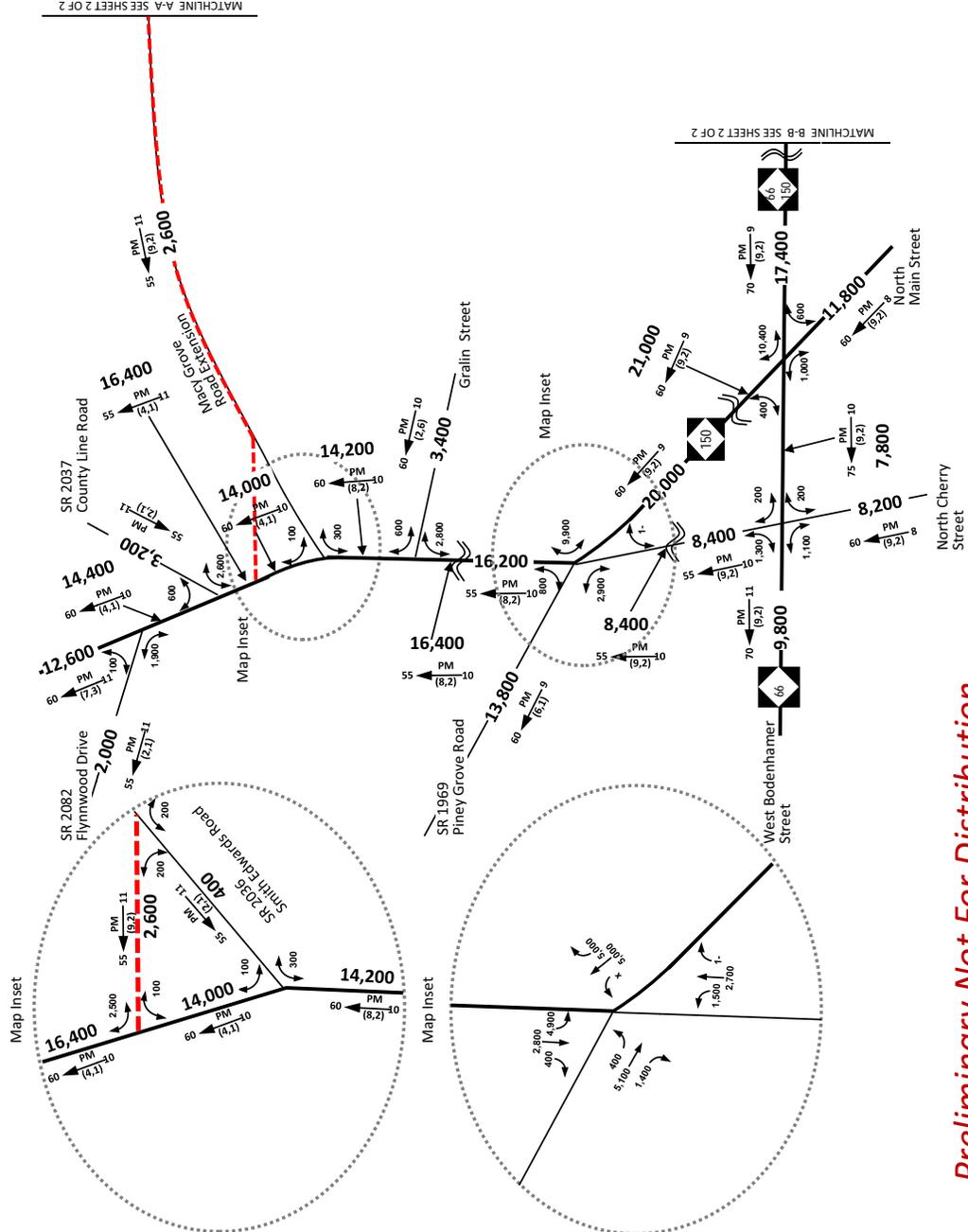




**2008**  
AVERAGE ANNUAL DAILY  
TRAFFIC  
ALTERNATIVE 4 – BUILD  
SHEET 1 OF 2

- LEGEND**
- ### No. of Vehicles Per Day (VPD)
  - 1- Less than 50 VPD
  - X Movement Prohibited
  - DHV Design Hourly Volume
  - PM Peak Period
  - D Peak Hour Directional Split
  - (d,t) Indicates Direction of D
  - Duals, TT-STs (%)

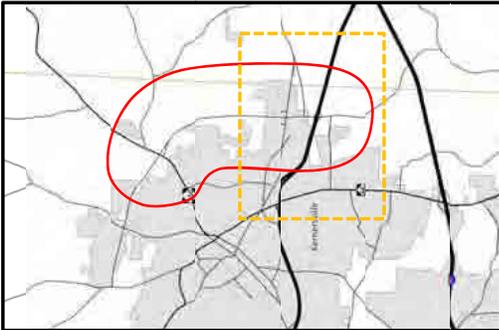
TIP: U-4734 AND U-2800	WBS: 36600.1.1
COUNTY: FORSYTH	DIVISION: 9
DATE: June, 2009	
Prepared by: Martin/Alexiou/Bryson	
LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)	
PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening	



*Preliminary Not For Distribution  
Draft*



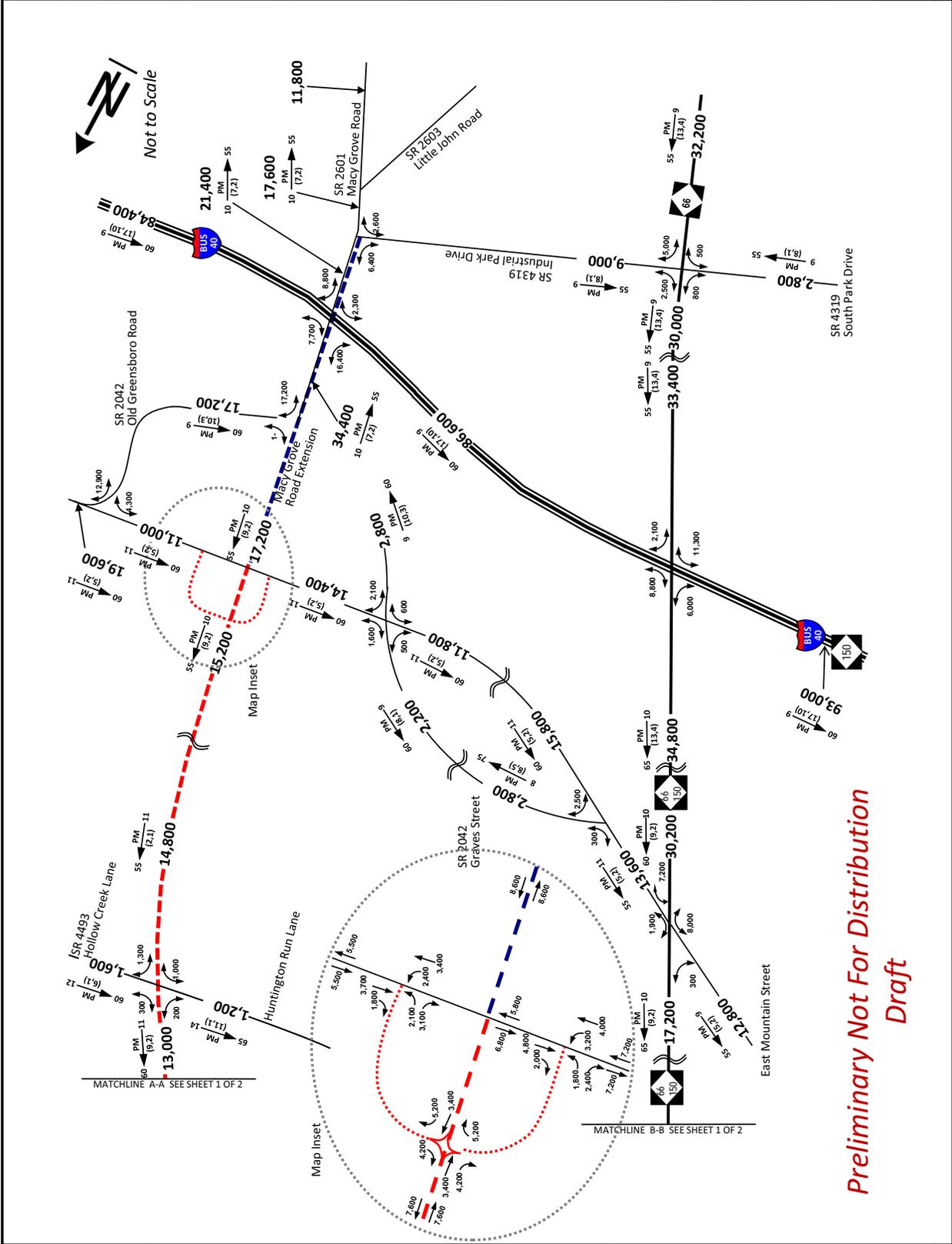




**2030**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
 ALTERNATIVE 5 - BUILD  
 SHEET 2 OF 2

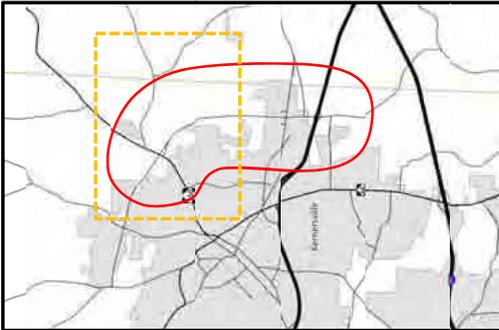
- LEGEND**
- ### No. of Vehicles Per Day (VPD)
  - 1- Less than 50 VPD
  - X Movement Prohibited
  - DHW Design Hourly Volume
  - PM Peak Period
  - D Peak Hour Directional Split
  - Indicates Direction of D
  - (d,t) Duals, TT-STs (%)

TIP: U-4734 AND U-2800		WBS: 36600.1.1
COUNTY: FORSYTH	DIVISION: 9	
DATE: June, 2009		
Prepared by: Martin/Alexiou/Bryson		
LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)		
PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening		



*Preliminary Not For Distribution*  
*Draft*

DIAGRAM 5



**2035**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
**ALTERNATIVE 6 – BUILD**  
 SHEET 1 OF 2

**LEGEND**

- ### No. of Vehicles Per Day (VPD)
- 1- Less than 50 VPD
- X Movement Prohibited
- DHV Design Hourly Volume
- PM Peak Period
- D Peak Hour Directional Split
- (d,t) Indicates Direction of D
- Duals, TT-STs (%)

TIP: U-4734 AND U-2800 | WBS: 36600.1.1

COUNTY: FORSYTH | DIVISION: 9

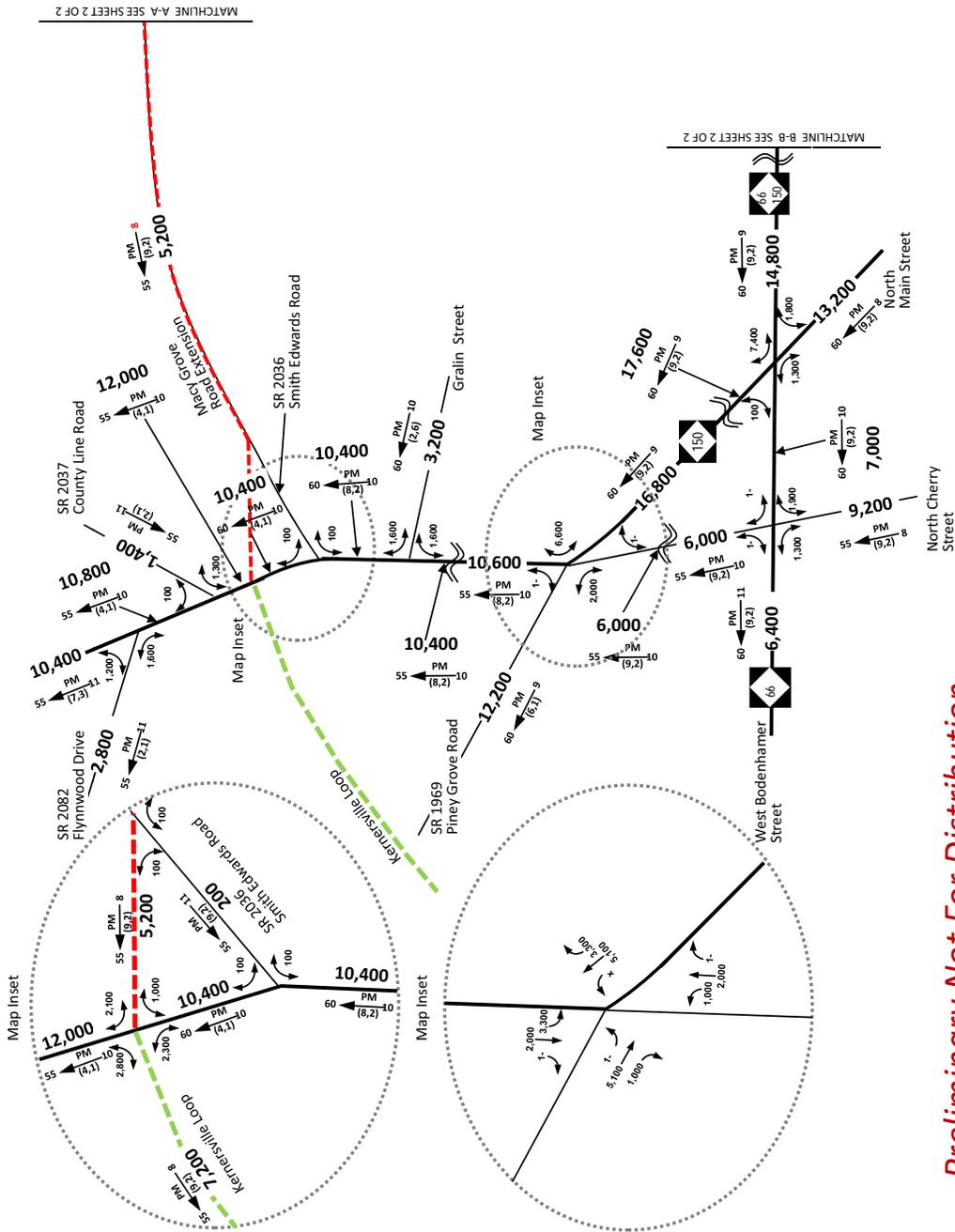
DATE: June, 2009

Prepared by: Martin/Alexiou/Bryson

LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)

PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening

DIAGRAM 6



*Preliminary Not For Distribution*  
*Draft*



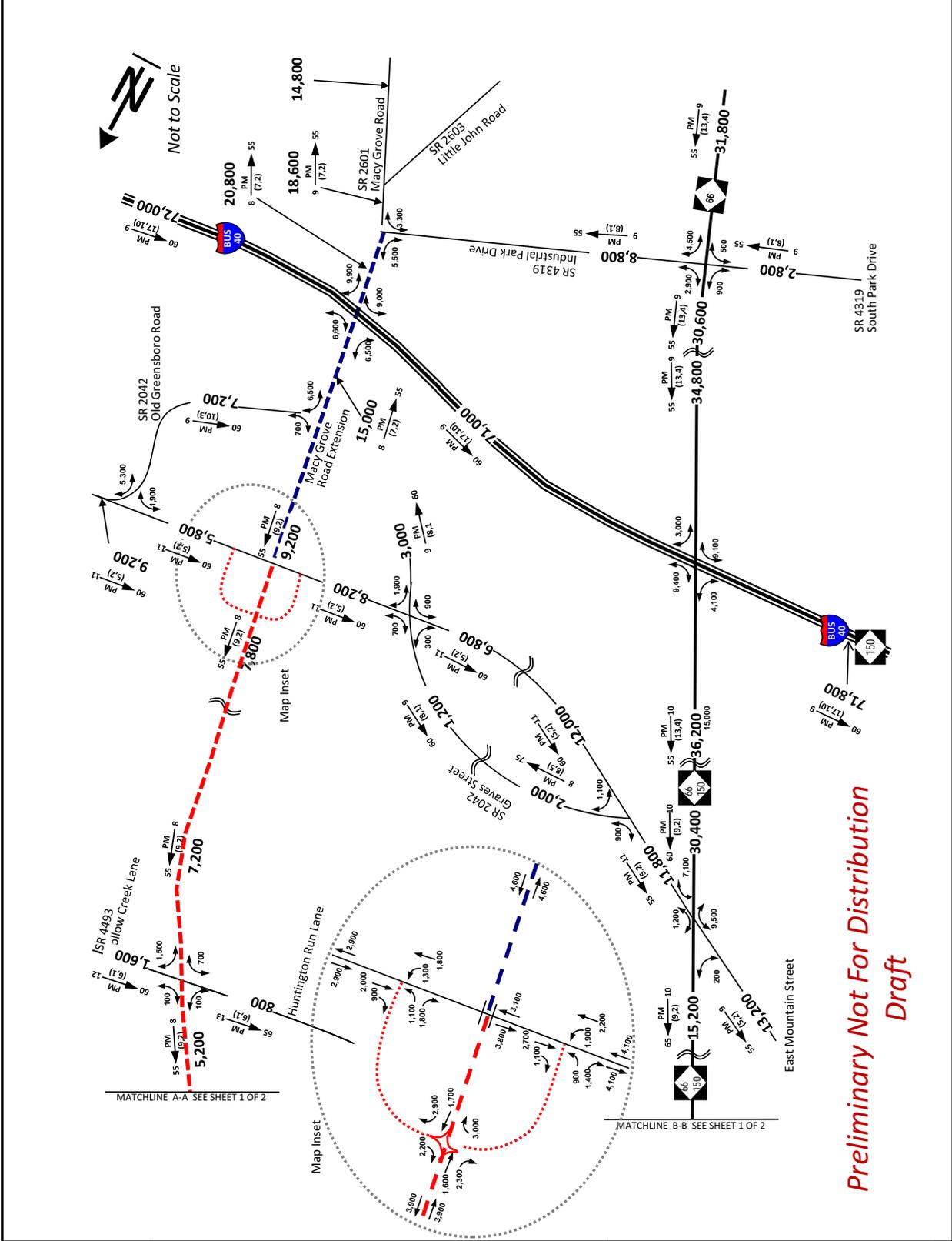
**2035**  
 AVERAGE ANNUAL DAILY  
 TRAFFIC  
 ALTERNATIVE 6 - BUILD  
 SHEET 2 OF 2

**LEGEND**

###	No. of Vehicles Per Day (VPD)
1-	Less than 50 VPD
X	Movement Prohibited
DHV	Design Hourly Volume
PM	PM Peak Period
D	Peak Hour Directional Split
(d,t)	Indicates Direction of D
(d,t)	Duals, TT-STs (%)

TIP: U-4734 AND U-2800	WBS: 36600.1.1
COUNTY: FORSYTH	DIVISION: 9
DATE: June, 2009	
Prepared by: Martin/Alexiou/Bryson	
LOCATION: Macy Grove Road from Industrial Drive to NC.150 (North Main Street)	
PROJECTS: Macy Grove Road Extension and Macy Grove Road Widening	

DIAGRAM 6



*Preliminary Not For Distribution*  
*Draft*

## **Appendix C: Section 4(f) Evaluation**

THIS PAGE INTENTIONALLY LEFT BLANK

**Parks and Recreation  
Department**



**Mark Serosky**  
DIRECTOR

July 21, 2009

Mr. Chris Werner, PE  
Project Manager  
1600 Perimeter Park Drive, Ste #400  
Morrisville, NC 27560

Dear Mr. Werner:

Mike Anderson, Deputy Director of Parks and Recreation, and I have reviewed the road options for NCDOT Project U-2800 and U-4734. Option #2 is considered the best from a park standpoint. As we have previously discussed, this option would give us a good access road from the new highway to Triad Park and provide a parking lot on the north side of Reedy Creek. We would like for NCDOT to provide this access off of this new highway and a parking lot for our park visitors.

On the south side of Reedy Creek we had discussed road access for maintenance purpose to Triad Park off the new highway that NCDOT would construct.

Option #2 cuts through the Petroff acreage that adjoins Triad Park. This property is located where Smith Edward Road currently dead ends into it. We are requesting that NCDOT buy this entire acreage (+20 acres) for the new highway and to donate to the Counties the remaining acreage that is not used for the highway right-of-way as an addition to Triad Park. This new acreage would enable the park to have high ground for our future greenway.

In all road options, we must have access for a greenway trail to travel under this new highway. Otherwise, there would be no greenway connectivity to Kernersville/Winston-Salem greenway system to Triad Park. This connectivity needs to be large enough to accommodate pedestrians and maintenance pick up truck accessibility.

Lastly, if there is an off ramp that would access Triad Park, we are requesting DOT (at their cost) to install signage identifying this as an exit to access Triad Park.

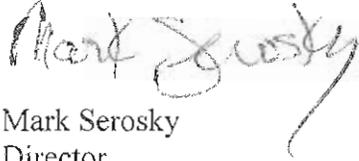
Option #2 has the least adverse effect on Triad Park.

Option #5 is the second choice since from a park perspective with the same conditions as previously stated in Option #2.

Option #1 is the last choice with the same conditions previously stated in Option #2

I hope these comments are helpful. Please do not hesitate to call me if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Mark Serosky". The signature is written in a cursive style with a long, sweeping tail on the letter "y".

Mark Serosky  
Director

cc: Roger Bardsley, Guilford County Parks & Open Space  
Mike Anderson, Deputy Director of Parks & Rec  
Damon Sanders-Pratt, Deputy County Manager



February 9, 2010

Vincent J. Rhea, PE  
Project Development Engineer  
NCDOT PDEA Branch  
1548 Mail Service Center  
Raleigh, NC 27699-1548

Re: *De Minimis* impact statement for STIP Project U-2800 and U-4734 (Macy Grove Road Improvements Project)

Mr. Rhea,

The North Carolina Department of Transportation (NCDOT) is proposing to acquire land from Triad Park, a public park and recreation facility, in conjunction with the U-4734 Macy Grove Road Improvements project. Since the project will use federal funds and public recreational facilities will be impacted, NCDOT has informed park officials that the project is subject to the requirements of the United States Code (USC) Title 23 in section 138 (Section 4(f)), of the United States Department of Transportation (USDOT) Act, known as Section 4(f) of the USDOT Act. The NCDOT has also informed park officials that it is the intention of the Federal Highway Administration (FHWA) to consider impacts to Triad Park as *de minimis* impacts, which are defined as impacts "that do not adversely affect the activities, features and attributes of the Section 4(f) resource". This letter is intended to provide FHWA with supporting information during the *de minimis* impact determination process.

The NCDOT has held several project coordination meetings with officials from Triad Park, which is jointly owned by both Forsyth and Guilford counties. The project will traverse through the western portion of the park and has been included in the Triad Park Master Plan. The master plan identifies phased construction of the proposed recreational facilities within the park, including mountain bike and hiking trails in the western portion. Currently, none of the phases within the western portion of Triad Park have been completed. In addition to the proposed facilities in Triad Park, a 19-mile multi-use greenway trail, identified in the Piedmont Greenway Master Plan, is proposed to connect Guilford and Forsyth counties through Triad Park and downtown

Kernersville. The Piedmont Greenway Master Plan identifies Triad Park as a central hub for the greenway and as a major trailhead.

The NCDOT has worked with Triad Park officials to develop the project in a manner consistent with the vision of Triad Park's Master Plan, while minimizing impacts to Triad Park and other sensitive resources in the vicinity of the project. As proposed in the preliminary designs, a bridge is hydraulically required where the project crosses Reedy Fork Creek and the planned location for the Piedmont Greenway multi-use greenway trail. Coordination with NCDOT has resulted in accommodation for the greenway trail under the proposed bridge crossing Reedy Fork Creek, consisting of a concrete pathway being constructed immediately adjacent to the proposed bridge sloping abutments, above the 10-year storm elevation. Limits of the concrete pathway to be constructed by NCDOT will be confined to the limits of the proposed bridge crossing Reedy Fork Creek, with the remaining portions of the greenway, to the east and west of the U-4734 project, being constructed by others. This concrete pathway will be constructed during the construction of the U-4734 project and at NCDOT's expense.

The proposed extension of Macy Grove Road will provide access to the Triad Park as envisioned in the Triad Park Master Plan, which identified a future roadway in the western portion of the park. This access is essential to the proposed mountain bike and hiking trails as well as the proposed Piedmont Greenway. Triad Park officials (as well as officials in both counties) reviewed the preliminary plans and concluded that the proposed project will not adversely affect current or planned activities, features and attributes of Triad Park or the planned Piedmont Greenway multi-use greenway trail. Given park property will be purchased to construct the project, park officials desire to work with NCDOT to determine if properties adjacent to the park boundaries, acquired by NCDOT, could be transferred to the counties to increase the park limits.

Should you have any questions, please contact either Mark Serosky at (336) 703-2500 ext. 5 or Roger Bardsley at (336) 641-3544.

Sincerely,



Mark Serosky, Director  
Forsyth County Parks and Recreation Department



Roger Bardsley, Park Planner  
Guilford County Parks and Open Spaces

Cc: Mike Anderson, Deputy Director of Forsyth County Parks and Recreation Department  
Damon Sanders-Pratt, Forsyth County Deputy County Manager  
Brenda Jones Fox, Guilford County Manager

**Appendix D: Farmland Conversion Impact Rating Forms**

THIS PAGE INTENTIONALLY LEFT BLANK

U.S. Department of Agriculture

# FARMLAND CONVERSION IMPACT RATING

<b>PART I (To be completed by Federal Agency)</b>		Date Of Land Evaluation Request	10/30/09
Name Of Project	Macy Grove Road Improvements	Federal Agency Involved	NCDOT/FHWA
Proposed Land Use	Road Corridor	County And State	Forsyth County, NC

<b>PART II (To be completed by NRCS)</b>		Date Request Received By NRCS	10/27/09
Does the site contain prime, unique, statewide or local important farmland? <i>(If no, the FPPA does not apply – do not complete additional parts of this form).</i>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
		Acres Irrigated	0.0
		Average Farm Size	66 acres
Major Crop(s)	corn	Farmable Land In Govt. Jurisdiction Acres: 201665	% 71
		Amount Of Farmland As Defined In FPPA Acres: 178398	% 68
Name Of Land Evaluation System Used	Forsyth Co LE	Name Of Local Site Assessment System	none
		Date Land Evaluation Returned By NRCS	11/6/09

<b>PART III (To be completed by Federal Agency)</b>	Alternative Site Rating			
	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	160.5	161.8	159.3	
B. Total Acres To Be Converted Indirectly	0.0	0.0	0.0	
C. Total Acres In Site	160.5	161.8	159.3	0.0

<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
A. Total Acres Prime And Unique Farmland	95.4	96.1	94.3	
B. Total Acres Statewide And Local Important Farmland	22.0	21.8	20.7	
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	0.1	0.1	0.1	
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value	66.1	66.1	66.1	

<b>PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)</b>	67	66	65	0
---	----	----	----	---

<b>PART VI (To be completed by Federal Agency)</b> Site Assessment Criteria <i>(These criteria are explained in 7 CFR 658.5(b))</i>	Maximum Points				
1. Area In Nonurban Use	7	7	7		
2. Perimeter In Nonurban Use	8	8	8		
3. Percent Of Site Being Farmed	2	2	2		
4. Protection Provided By State And Local Government	20	20	20		
5. Distance From Urban Builtup Area	3	3	3		
6. Distance To Urban Support Services	0	0	0		
7. Size Of Present Farm Unit Compared To Average	2	2	2		
8. Creation Of Nonfarmable Farmland	2	2	2		
9. Availability Of Farm Support Services	3	3	3		
10. On-Farm Investments	5	5	5		
11. Effects Of Conversion On Farm Support Services	6	6	6		
12. Compatibility With Existing Agricultural Use	8	8	8		
<b>TOTAL SITE ASSESSMENT POINTS</b>	160	66	66	66	0

<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland <i>(From Part V)</i>	100	67	66	65	0
Total Site Assessment <i>(From Part VI above or a local site assessment)</i>	160	66	66	66	0
<b>TOTAL POINTS (Total of above 2 lines)</b>	260	133	132	131	0

Site Selected:	Date Of Selection	Was A Local Site Assessment Used? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
----------------	-------------------	--

Reason For Selection:

U.S. Department of Agriculture

## FARMLAND CONVERSION IMPACT RATING

**PART I (To be completed by Federal Agency)** Date Of Land Evaluation Request 10/30/09

Name Of Project Macy Grove Road Improvements Federal Agency Involved NCDOT/FHWA

Proposed Land Use Road Corridor County And State Guilford County, NC

**PART II (To be completed by NRCS)** Date Request Received By NRCS 10/27/09

Does the site contain prime, unique, statewide or local important farmland?  
(If no, the FPPA does not apply -- do not complete additional parts of this form). Yes  No  Acres Irrigated 0.0 Average Farm Size 105 acres

Major Crop(s) corn Farmable Land In Govt. Jurisdiction Acres: 331434 % 79 Amount Of Farmland As Defined in FPPA Acres: 331343 % 79

Name Of Land Evaluation System Used Guilford Co LE Name Of Local Site Assessment System none Date Land Evaluation Returned By NRCS 11/6/09

**PART III (To be completed by Federal Agency)** Alternative Site Rating

	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	7.5			
B. Total Acres To Be Converted Indirectly	0.0			
C. Total Acres In Site	7.5	0.0	0.0	0.0

**PART IV (To be completed by NRCS) Land Evaluation Information**

A. Total Acres Prime And Unique Farmland	0.0			
B. Total Acres Statewide And Local Important Farmland	5.3			
C. Percentage Of Farmland In County Or Local Govt. Unit To Be Converted	0.1			
D. Percentage Of Farmland In Govt. Jurisdiction With Same Or Higher Relative Value	78.8			

**PART V (To be completed by NRCS) Land Evaluation Criterion**  
Relative Value Of Farmland To Be Converted (Scale of 0 to 100 Points)

	51	0	0	0
--	----	---	---	---

**PART VI (To be completed by Federal Agency)** Site Assessment Criteria (These criteria are explained in 7 CFR 658.5(b)) Maximum Points

1. Area In Nonurban Use	9			
2. Perimeter In Nonurban Use	5			
3. Percent Of Site Being Farmed	0			
4. Protection Provided By State And Local Government	0			
5. Distance From Urban Builtup Area	3			
6. Distance To Urban Support Services	0			
7. Size Of Present Farm Unit Compared To Average	0			
8. Creation Of Nonfarmable Farmland	0			
9. Availability Of Farm Support Services	0			
10. On-Farm Investments	0			
11. Effects Of Conversion On Farm Support Services	0			
12. Compatibility With Existing Agricultural Use	0			
<b>TOTAL SITE ASSESSMENT POINTS</b>	160	17	0	0

**PART VII (To be completed by Federal Agency)**

Relative Value Of Farmland (From Part V)	100	51	0	0	0
Total Site Assessment (From Part VI above or a local site assessment)	160	17	0	0	0
<b>TOTAL POINTS (Total of above 2 lines)</b>	260	68	0	0	0

Site Selected: Date Of Selection Was A Local Site Assessment Used? Yes  No

Reason For Selection:

**Appendix E: NCDOT Relocation Assistance Program/Relocation Reports**

THIS PAGE INTENTIONALLY LEFT BLANK

# EIS RELOCATION REPORT

**North Carolina Department of Transportation  
RELOCATION ASSISTANCE PROGRAM**

E.I.S.       CORRIDOR       DESIGN

WBS ELEMENT:	36600.1.1	COUNTY	Forsyth	Alternate	1	of	5	Alternate
T.I.P. No.:	U-4734							
DESCRIPTION OF PROJECT:	SR 2601 (Macy Grove Road) Extension from SR 1005 (East Mountain St.) to NC 150 (North Main Street)							

ESTIMATED DISPLACEDS					INCOME LEVEL					
Type of Displacees	Owners	Tenants	Total	Minorities	0-15M	15-25M	25-35M	35-50M	50 UP	
Residential	6	0	6	0	0	0	0	3	3	
Businesses	1	0	1	0	VALUE OF DWELLING			DSS DWELLING AVAILABLE		
Farms	0	0	0	0	Owners		Tenants		For Sale	
Non-Profit	0	0	0	0	0-20M	0	\$ 0-150	0	0-20M	0
					20-40M	0	150-250	0	20-40M	11
					40-70M	0	250-400	0	40-70M	72
					70-100M	3	400-600	0	70-100M	101
					100 UP	3	600 UP	0	100 UP	554
					<b>TOTAL</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>738</b>	<b>191</b>

ANSWER ALL QUESTIONS		
Yes	No	Explain all "YES" answers.
	X	1. Will special relocation services be necessary?
	X	2. Will schools or churches be affected by displacement?
X		3. Will business services still be available after project?
X		4. Will any business be displaced? If so, indicate size, type, estimated number of employees, minorities, etc.
	X	5. Will relocation cause a housing shortage?
		6. Source for available housing (list).
	X	7. Will additional housing programs be needed?
X		8. Should Last Resort Housing be considered?
	X	9. Are there large, disabled, elderly, etc. families?
	X	10. Will public housing be needed for project?
X		11. Is public housing available?
X		12. Is it felt there will be adequate DSS housing available during relocation period?
	X	13. Will there be a problem of housing within financial means?
X		14. Are suitable business sites available (list source).
		15. Number months estimated to complete RELOCATION? <b>12</b>

REMARKS (Respond by number)			
3. Business services will be available after the project.			
4. E.L. Smith and Son Grading – 1000 sf garage with bays & a 1000 sf blk building. 4 full time 2 part time.			
8. There are displacees that will need last resort housing on the Project due to certain low economic areas.			
11. Winston Salem Housing Authority			
12. According to Winston salem Journal, Baldwin Properties, And multiple listing service.			
14. Baldwin Properties has sites for rent. The MLS has sites for Sale.			

<i>Heather Fulghum</i> Heather Fulghum Right of Way Agent	03-05-10 Date	 Relocation Coordinator	3/5/10 Date
---	------------------	----------------------------	----------------

# EIS RELOCATION REPORT

**North Carolina Department of Transportation  
RELOCATION ASSISTANCE PROGRAM**

E.I.S.       CORRIDOR       DESIGN

WBS ELEMENT:	36600.1.1	COUNTY	Forsyth	Alternate	2	of	5	Alternate
T.I.P. No.:	U-4734							
DESCRIPTION OF PROJECT:	SR 2601 (Macy Grove Road) Extension from SR 1005 (East Mountain St.) to NC 150 (North Main Street)							

ESTIMATED DISPLACEDS					INCOME LEVEL					
Type of Displacees	Owners	Tenants	Total	Minorities	0-15M	15-25M	25-35M	35-50M	50 UP	
Residential	4	0	4	0	0	0	0	2	2	
Businesses	1	0	1	0	VALUE OF DWELLING			DSS DWELLING AVAILABLE		
Farms	0	0	0	0	Owners		Tenants		For Sale	
Non-Profit	0	0	0	0	0-20M	0	\$ 0-150	0	0-20M	0
					20-40M	0	150-250	0	20-40M	11
					40-70M	0	250-400	0	40-70M	72
					70-100M	2	400-600	0	70-100M	101
					100 UP	2	600 UP	0	100 UP	554
					<b>TOTAL</b>	<b>4</b>		<b>0</b>		<b>738</b>
										<b>191</b>

ANSWER ALL QUESTIONS		
Yes	No	Explain all "YES" answers.
	X	1. Will special relocation services be necessary?
	X	2. Will schools or churches be affected by displacement?
X		3. Will business services still be available after project?
X		4. Will any business be displaced? If so, indicate size, type, estimated number of employees, minorities, etc.
	X	5. Will relocation cause a housing shortage?
		6. Source for available housing (list).
	X	7. Will additional housing programs be needed?
X		8. Should Last Resort Housing be considered?
	X	9. Are there large, disabled, elderly, etc. families?
	X	10. Will public housing be needed for project?
X		11. Is public housing available?
X		12. Is it felt there will be adequate DSS housing available during relocation period?
	X	13. Will there be a problem of housing within financial means?
X		14. Are suitable business sites available (list source).
		15. Number months estimated to complete RELOCATION? <b>12</b>

REMARKS (Respond by number)			
3. Business services will be available after the project.			
4. E.L. Smith and Son Grading – 1000 sf garage with bays & a 1000 sf blk building. 4 full time 2 part time.			
8. There are displacees that will need last resort housing on the Project due to certain low economic areas.			
11. Winston Salem Housing Authority			
12. According to Winston salem Journal, Baldwin Properties, And multiple listing service.			
14. Baldwin Properties has sites for rent. The MLS has sites for Sale.			

<i>Heather Fulghum</i> Heather Fulghum Right of Way Agent	03-05-10 Date	 Relocation Coordinator	3/5/10 Date
---	------------------	----------------------------	----------------

# EIS RELOCATION REPORT

North Carolina Department of Transportation  
RELOCATION ASSISTANCE PROGRAM

E.I.S.       CORRIDOR       DESIGN

WBS ELEMENT:	36600.1.1	COUNTY	Forsyth	Alternate	5	of	5	Alternate
T.I.P. No.:	U-4734							
DESCRIPTION OF PROJECT:	SR 2601 (Macy Grove Road) Extension from SR 1005 (East Mountain St.) to NC 150 (North Main Street)							

ESTIMATED DISPLACEDS					INCOME LEVEL				
Type of Displacees	Owners	Tenants	Total	Minorities	0-15M	15-25M	25-35M	35-50M	50 UP
Residential	5	0	5	0	0	0	0	3	2
Businesses	1	0	1	0	VALUE OF DWELLING				
Farms	0	0	0	0	DSS DWELLING AVAILABLE				
Non-Profit	0	0	0	0	Owners	Tenants	For Sale	For Rent	
					0-20M	\$ 0-150	0-20M	\$ 0-150	0
					20-40M	150-250	20-40M	11	150-250
					40-70M	250-400	40-70M	72	250-400
					70-100M	400-600	70-100M	101	400-600
					100 UP	600 UP	100 UP	554	600 UP
					<b>TOTAL</b>	<b>5</b>	<b>0</b>	<b>738</b>	<b>191</b>

ANSWER ALL QUESTIONS		
Yes	No	Explain all "YES" answers.
	X	1. Will special relocation services be necessary?
	X	2. Will schools or churches be affected by displacement?
X		3. Will business services still be available after project?
X		4. Will any business be displaced? If so, indicate size, type, estimated number of employees, minorities, etc.
	X	5. Will relocation cause a housing shortage?
	X	6. Source for available housing (list).
	X	7. Will additional housing programs be needed?
X		8. Should Last Resort Housing be considered?
	X	9. Are there large, disabled, elderly, etc. families?
	X	10. Will public housing be needed for project?
X		11. Is public housing available?
X		12. Is it felt there will be adequate DSS housing available during relocation period?
	X	13. Will there be a problem of housing within financial means?
X		14. Are suitable business sites available (list source).
		15. Number months estimated to complete RELOCATION? <span style="border: 1px solid black; padding: 2px;">12</span>

REMARKS (respond by number)							
3. Business services will be available after the project.							
4. E.L. Smith and Son Grading – 1000 sf garage with bays & a 1000 sf blk building. 4 full time 2 part time.							
8. There are displacees that will need last resort housing on the Project due to certain low economic areas.							
11. Winston Salem Housing Authority							
12. According to Winston salem Journal, Baldwin Properties, And multiple listing service.							
14. Baldwin Properties has sites for rent. The MLS has sites for Sale.							

<i>Heather Fulghum</i> Heather Fulghum Right of Way Agent	03-05-10 Date	 Relocation Coordinator	3/5/10 Date
---	------------------	----------------------------	----------------

# EIS RELOCATION REPORT

North Carolina Department of Transportation  
RELOCATION ASSISTANCE PROGRAM

E.I.S.       CORRIDOR       DESIGN

WBS ELEMENT:	36600.1.1	COUNTY	Forsyth	Alternate	1	of	3	Alternate
T.I.P. No.:	U-2800							
DESCRIPTION OF PROJECT:	SR 2601 (Macy Grove Road) Extension from SR 1005 (East Mountain St.) to NC 150 (North Main Street)							

ESTIMATED DISPLACEDS					INCOME LEVEL							
Type of Displacees	Owners	Tenants	Total	Minorities	0-15M	15-25M	25-35M	35-50M	50 UP			
Residential	6	4	10	2	0	0	0	7	3			
Businesses	3	3	6	2	VALUE OF DWELLING				DSS DWELLING AVAILABLE			
Farms	0	0	0	0	Owners		Tenants		For Sale		For Rent	
Non-Profit	0	2	2	1	0-20M	0	\$ 0-150	0	0-20M	0	\$ 0-150	0
					20-40M	0	150-250	0	20-40M	11	150-250	2
					40-70M	2	250-400	2	40-70M	72	250-400	42
					70-100M	2	400-600	2	70-100M	101	400-600	62
					100 UP	2	600 UP	0	100 UP	554	600 UP	85
					<b>TOTAL</b>	<b>6</b>		<b>4</b>		<b>738</b>		<b>191</b>

ANSWER ALL QUESTIONS		
Yes	No	Explain all "YES" answers.
	X	1. Will special relocation services be necessary?
X		2. Will schools or churches be affected by displacement?
X		3. Will business services still be available after project?
X		4. Will any business be displaced? If so, indicate size, type, estimated number of employees, minorities, etc.
	X	5. Will relocation cause a housing shortage?
		6. Source for available housing (list).
	X	7. Will additional housing programs be needed?
X		8. Should Last Resort Housing be considered?
	X	9. Are there large, disabled, elderly, etc. families?
	X	10. Will public housing be needed for project?
X		11. Is public housing available?
X		12. Is it felt there will be adequate DSS housing available during relocation period?
	X	13. Will there be a problem of housing within financial means?
X		14. Are suitable business sites available (list source).
		15. Number months estimated to complete RELOCATION? <span style="border: 1px solid black; padding: 2px;">12</span>

REMARKS (Respond by number)	
	2. New Bethel Worship Center – please see attached bus./ non profit list
	3. Business services will be available after the project.
	4. Please see attached docement for all business information Regarding this project.
	8. There are displacees that will need last resort housing on the Project due to certain low economic areas.
	11. Winston Salem Housing Authority
	12. According to Winston salem Journal, Baldwin Properties, And multiple listing service.
	14. Baldwin Properties has sites for rent. The MLS has sites for Sale.
	*** other relocates may be affected off plans due to control of Access of Whitt Rd.

<i>Heather Fulghum</i> Heather Fulghum Right of Way Agent	03-19-10 Date	 Relocation Coordinator	3/23/10 Date
---	------------------	----------------------------	-----------------

# EIS RELOCATION REPORT

**North Carolina Department of Transportation  
RELOCATION ASSISTANCE PROGRAM**

E.I.S.       CORRIDOR       DESIGN

WBS ELEMENT:	36600.1.1	COUNTY	Forsyth	Alternate	2	of	3	Alternate
T.I.P. No.:	U-2800							
DESCRIPTION OF PROJECT:	SR 2601 (Macy Grove Road) Extension from SR 1005 (East Mountain St.) to NC 150 (North Main Street)							

ESTIMATED DISPLACED					INCOME LEVEL				
Type of Displacees	Owners	Tenants	Total	Minorities	0-15M	15-25M	25-35M	35-50M	50 UP
Residential	0	0	0	0	0	0	0	0	0
Businesses	0	0	0	0	VALUE OF DWELLING		DSS DWELLING AVAILABLE		
Farms	0	0	0	0	Owners	Tenants	For Sale	For Rent	
Non-Profit	0	0	0	0	0-20M	\$ 0-150	0-20M	\$ 0-150	0

ANSWER ALL QUESTIONS		
Yes	No	Explain all "YES" answers.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Will special relocation services be necessary?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Will schools or churches be affected by displacement?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Will business services still be available after project?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Will any business be displaced? If so, indicate size, type, estimated number of employees, minorities, etc.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Will relocation cause a housing shortage?
<input type="checkbox"/>	<input type="checkbox"/>	6. Source for available housing (list).
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Will additional housing programs be needed?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Should Last Resort Housing be considered?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Are there large, disabled, elderly, etc. families?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Will public housing be needed for project?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Is public housing available?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is it felt there will be adequate DSS housing available during relocation period?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Will there be a problem of housing within financial means?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Are suitable business sites available (list source).
<input type="checkbox"/>	<input type="checkbox"/>	15. Number months estimated to complete RELOCATION? <span style="float: right; border: 1px solid black; padding: 2px;">0</span>

20-40M	0	150-250	0	20-40M	0	150-250	0
40-70M	0	250-400	0	40-70M	0	250-400	0
70-100M	0	400-600	0	70-100M	0	400-600	0
100 UP	0	600 UP	0	100 UP	0	600 UP	0
<b>TOTAL</b>	<b>0</b>						

REMARKS (respond by number)
<p>3. Business services will be available after the project.</p> <p>11. Winston Salem Housing Authority</p> <p>12. According to Winston salem Journal, Baldwin Properties And multiple listing service.</p> <p>14. Baldwin Properties has sites for rent. The MLS has sites for Sale.</p> <p style="text-align: center; background-color: yellow; font-weight: bold; margin-top: 20px;">**Negative Report**</p>

<i>Heather Fulghum</i> Heather Fulghum Right of Way Agent	03-19-10 Date	 Relocation Coordinator	3/23/10 Date
---	------------------	----------------------------	-----------------

# EIS RELOCATION REPORT

North Carolina Department of Transportation  
RELOCATION ASSISTANCE PROGRAM

E.I.S.       CORRIDOR       DESIGN

WBS ELEMENT:	36600.1.1	COUNTY	Forsyth	Alternate	3	of	3	Alternate
T.I.P. No.:	U-2800							
DESCRIPTION OF PROJECT:	SR 2601 (Macy Grove Road) Extension from SR 1005 (East Mountain St.) to NC 150 (North Main Street)							

ESTIMATED DISPLACEDS					INCOME LEVEL				
Type of Displacees	Owners	Tenants	Total	Minorities	0-15M	15-25M	25-35M	35-50M	50 UP
Residential	0	0	0	0	0	0	0	0	0
Businesses	0	0	0	0	VALUE OF DWELLING		DSS DWELLING AVAILABLE		
Farms	0	0	0	0	Owners	Tenants	For Sale	For Rent	
Non-Profit	0	0	0	0	0-20M	\$ 0-150	0-20M	\$ 0-150	0

ANSWER ALL QUESTIONS		
Yes	No	Explain all "YES" answers.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Will special relocation services be necessary?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Will schools or churches be affected by displacement?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Will business services still be available after project?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Will any business be displaced? If so, indicate size, type, estimated number of employees, minorities, etc.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Will relocation cause a housing shortage?
<input type="checkbox"/>	<input type="checkbox"/>	6. Source for available housing (list).
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Will additional housing programs be needed?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Should Last Resort Housing be considered?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Are there large, disabled, elderly, etc. families?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Will public housing be needed for project?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Is public housing available?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is it felt there will be adequate DSS housing available during relocation period?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Will there be a problem of housing within financial means?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Are suitable business sites available (list source).
		15. Number months estimated to complete RELOCATION? <span style="float: right; border: 1px solid black; padding: 2px;">0</span>

20-40M	0	150-250	0	20-40M	0	150-250	0
40-70M	0	250-400	0	40-70M	0	250-400	0
70-100M	0	400-600	0	70-100M	0	400-600	0
100 UP	0	600 UP	0	100 UP	0	600 UP	0
<b>TOTAL</b>	<b>0</b>						

REMARKS (respond by number)
<p>3. Business services will be available after the project.</p> <p>11. Winston Salem Housing Authority</p> <p>12. According to Winston salem Journal, Baldwin Properties And multiple listing service.</p> <p>14. Baldwin Properties has sites for rent. The MLS has sites for Sale.</p> <p style="text-align: center; background-color: yellow; font-weight: bold; font-size: 1.2em;">**Negative Report**</p>

<p style="font-family: cursive;">Heather Fulghum</p> <p style="text-align: right;">03-19-10</p>		<p style="text-align: right; font-family: cursive;">[Signature]</p> <p style="text-align: right;">3/23/10</p>	
Heather Fulghum Right of Way Agent	Date	Relocation Coordinator	Date

**Appendix F: Citizens Informational Workshop Press Release**

THIS PAGE INTENTIONALLY LEFT BLANK

**NCDOT TO HOLD WORKSHOP JUNE 17 FOR PROPOSED IMPROVEMENTS  
TO MACY GROVE ROAD IN GUILFORD AND FORSYTH COUNTIES**

**RALEIGH** — The N.C. Department of Transportation will hold a citizens' informational workshop on Tuesday, June 17, for proposed improvements to Macy Grove Road (State Road 2601) in Guilford and Forsyth counties.

The informal meeting will be from 4 to 7 p.m. in the café on the Dudley Beauty College Campus, 900-D E. Mountain St., Kernersville. Citizens are invited to drop in and speak individually with NCDOT officials, as well as review project plans. Comments received during the meeting will be considered as plans are finalized.

NCDOT proposes to widen Macy Grove Road from Industrial Park Drive (S.R. 4139) to Old U.S. 421/East Mountain Street (S.R. 1005), as well as convert the Macy Grove Road overpass above I-40 Business into an interchange. The proposal also includes widening and extending Macy Grove Road from Old U.S. 421/East Mountain Street to N.C. 150 (North Main Street), south of County Line Road (S.R. 2037). Right-of-way acquisition is scheduled to begin in fiscal year 2011.

For more information, contact Vince Rhea at (919) 733-7844, ext. 261 or via e-mail at [vrhea@ncdot.gov](mailto:vrhea@ncdot.gov). Citizens may also write, referencing Transportation Improvement Program project number U-2800/U-4737, to:

Vince Rhea  
NCDOT Project Development and Environmental Analysis Branch  
1548 Mail Service Center  
Raleigh, NC 27699-1548

NCDOT will provide auxiliary aids and services under the Americans with Disabilities Act for disabled persons who want to participate in this workshop. Anyone requiring special services should contact Rhea at the above address, phone or e-mail as early as possible so that arrangements can be made.

**\*\*\*NCDOT\*\*\***



## **MACY GROVE ROAD IMPROVEMENTS CITIZENS INFORMATIONAL WORKSHOP**

**Improvements to SR 2601 (Macy Grove Road) from SR 4319 (Industrial Park Drive) to SR 1005 (Old US 421/East Mountain Street), and extending SR 2601 (Macy Grove Road) from SR 1005 (Old US 421/East Mountain Street) to NC 150 (North Main Street)  
Kernersville, Forsyth & Guilford Counties**

### **Purpose of the Informational Workshop**

The purpose of the Citizens Informational Workshop is to involve the public in the project planning process. If you have comments or suggestions about the proposed improvements described in this handout, please let a representative of the North Carolina Department of Transportation (NCDOT) know. A comment sheet is provided for you to write down your questions or concerns so that we can keep a record of and fully consider your ideas, comments, and suggestions.

The NCDOT realizes individuals living close to a proposed project want to be informed of the possible effects of the project on their homes and businesses. However, exact information is not available at this stage of the planning process. Additional environmental and design studies are necessary before the actual right of way limits can be established. More detailed information will be available at a later date.

Written comments on this project may be left with NCDOT representatives at the Citizens Informational Workshop or submitted through the mail. If additional information is needed or you would like to submit comments after the Citizens Informational Workshop, please address your requests and comments to either of the following representatives:

#### **NCDOT**

Mr. Vincent J. Rhea, P.E.

Project Engineer

1548 Mail Service Center

Raleigh, NC 27699-1548

919.733.7844 ext. 261

vrhea@ncdot.gov

#### **Consultant Team—URS Corporation**

Mr. Chris Werner, P.E.

Project Manager

1600 Perimeter Park Drive, Suite 400

Morrisville, NC 27560

800.233.6315

christopher\_werner@urscorp.com

### **Description of the Project**

The State Transportation Improvement Program (STIP) is proposing improvements to and extension of SR 2601 (Macy Grove Road) in Forsyth County, North Carolina as part of STIP projects U-2800 and U-4734.

There is a need for this project because many intersections in downtown Kernersville are congested due to traffic and multiple at-grade railroad crossings, the NC 66/150 interchange operates over capacity, and there is a missing link of the Future Kernersville Loop System between SR 2042 (Old Greensboro Road) and NC 150 (North Main Street).

The purpose of this project is to reduce traffic congestion and provide a segment of the future Northern Loop Road around Kernersville.

### **Project Schedules**

The proposed project is scheduled for right of way acquisition in fiscal year (FY) 2012, and construction is post year. The updated cost estimate is \$61,100,000, which includes \$57,100,000 for construction and \$4,000,000 for right of way acquisition.

Project Planning and Design Studies	Currently Underway
Citizens Informational Workshop	June 17, 2008
Environmental Assessment (EA) Document Complete	Summer 2009
Public Hearing	Fall 2009
Finding of No Significant Impact (FONSI) Document	Winter 2009
Right-of-Way Acquisition Begins	Fiscal Year 2012

Currently, planning and environmental studies are in progress. An Environmental Assessment (EA) is scheduled to be completed in June 2009, with a public hearing to be scheduled following completion of the EA. At this public hearing, the public will have an opportunity to review a map showing the proposed design. Factors which may affect the design of this project include engineering criteria and environmental factors such as relocation of homes or businesses, wetlands, historic sites, etc. A form is available from NCDOT representatives if you feel you have or know of a structure which has historical significance. The improvements currently under investigation are described in the next paragraphs.

### **Proposed Improvements**

U-2800 consists of widening SR 2601 (Macy Grove Road) to multi-lanes, extending the road from SR 4319 (Industrial Park Drive) to SR 1005 (Old US 421/East Mountain Street), and converting a grade separation at Interstate 40 (I-40) Business to an interchange. Grade separations are also proposed on new location at the Norfolk Southern railroad crossing and at SR 2042 (Old Greensboro Road). U-4734 includes extending SR 2601 (Macy Grove Road) on new location from SR 1005 (Old US 421/East Mountain Street) to NC 150 (North Main Street).

### **Anticipated Right of Way Impacts**

The existing right of way on Macy Grove Road is approximately 60 to 100 feet. Approximately 100 feet of right of way will be required to accommodate the proposed improvements and extension. The maps at this meeting show the proposed study area. NCDOT will study improvements symmetrical about the existing centerline and also a best-fit alignment. NCDOT will develop an alignment which is safe, cost effective and which minimizes impacts to existing development and historic and natural resources.

No final decisions have been made regarding this project. Therefore, the above information and schedule are preliminary and subject to change. As planning for the project continues, we will include all comments and suggestions to the extent possible.





THIS PAGE INTENTIONALLY LEFT BLANK

## **Appendix G: Newsletters**

THIS PAGE INTENTIONALLY LEFT BLANK

# MACY GROVE ROAD IMPROVEMENTS

## Kernersville, Forsyth & Guilford Counties

### NCDOT Projects U-2800 and U-4734



*Project History & Status.....Page 1*  
*Project Study Area.....Page 2*  
*Project Schedule.....Page 3*  
*Contacts.....Page 4*

## *NCDOT Seeks Input from Citizens*

The North Carolina Department of Transportation (NCDOT) is conducting planning and environmental studies for improvements to existing SR 2601 (Macy Grove Road) from SR 4319 (Industrial Park Drive) north to SR 1005 (Old US 421/East Mountain Street) and extending to NC 150 (North Main Street) east of the Town of Kernersville in Forsyth County (State Transportation Improvement Program [STIP] Projects U-2800 and U-4734). An existing grade separation at Macy Grove Road over I-40 Business will be converted to an interchange as part of the project.

The purpose of this newsletter is to provide updated information about the project, including current project status, proposed schedule, and announce an upcoming public involvement opportunity. This newsletter contains a project description and brief history, summary of general project needs for the proposed action, next steps in the project development process, and project contact information.

## Project History & Status

The Macy Grove Road Improvements project combines two current NCDOT STIP projects, U-2800 and U-4734. U-2800 was initiated several years ago with project planning and design studies. In the interim, U-4734 was initiated in the Summer of 2007. NCDOT decided to combine the two projects due to their close proximity to each other.

Planning and environmental studies will begin for U-4734, with technical studies completed for U-2800 being updated as part of this project. A single environmental document will be published and is scheduled for completion in Summer 2009.

## CITIZENS INFORMATIONAL WORKSHOP SCHEDULED

The NCDOT has scheduled a Citizens Informational Workshop on June 17, 2008 from 4:00 PM to 7:00 PM at the Café of the Dudley Beauty College-Kernersville Campus; 900-C East Mountain Street, Kernersville, NC 27284.

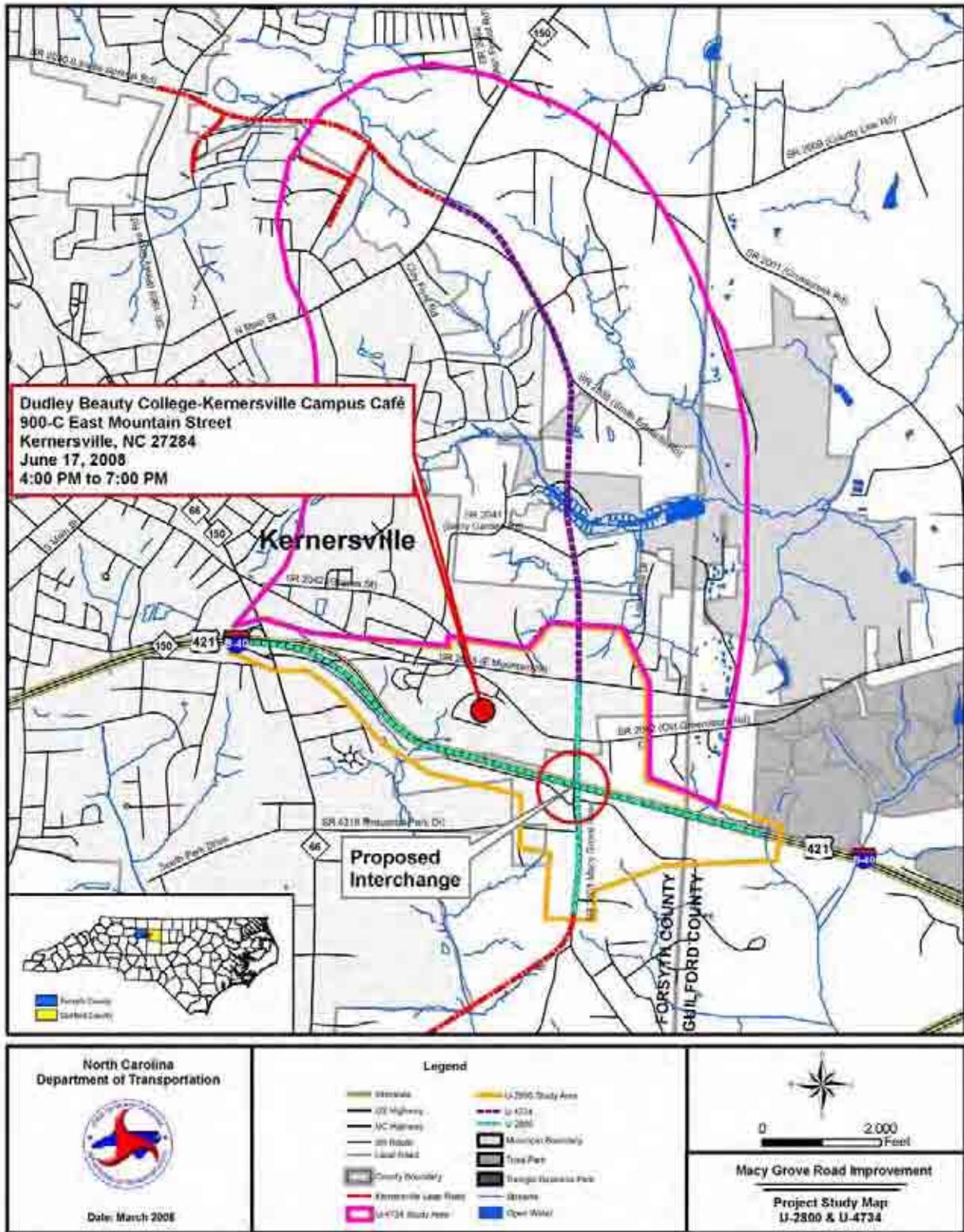
The purpose of the workshop will be to acquaint citizens with the proposed project and introduce the NCDOT and Consultant Team. The workshop will be an informal, open house with presentations and displays available for review. Team members will be available to answer questions and document comments.

If you are unable to attend comments may be submitted to:

Ms. Beverly Robinson  
 Project Development and  
 Environmental Analysis  
 1548 Mail Service Center  
 Raleigh, NC 27699-1548  
 Phone : 919.733.7844 ext. 254  
 Email: brobinson@dot.state.nc.us

NCDOT will provide auxiliary aids and services under the Americans with Disabilities Act (ADA) for disabled persons who wish to participate in this workshop. Anyone requiring special services should contact Ms. Beverly Robinson at NCDOT as early as possible so arrangements can be made.

# Project Study Area



---

## Project Schedule

Project Planning and Design Studies	Currently Underway
Citizens Informational Workshop	June 17, 2008
Environmental Assessment (EA) Document Complete	Summer 2009
Public Hearing	Fall 2009
Finding of No Significant Impact (FONSI) Document Complete	Winter 2009
Right-of-Way Acquisition Begins	Fiscal Year 2012
Construction Begins	Currently Unfunded

---

## General Project Needs

General needs identified for the Macy Grove Road improvements include the following:

- Reduce congestion in downtown Kernersville and at existing NC 66/150 interchange at I-40 Business.
- Increase traffic carrying capacity between I-40 Business and north of Kernersville.
- Provide a segment of the future Northern Loop Road around Kernersville.



## What Happens Next?

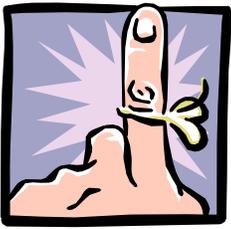
YOUR COMMENTS ARE IMPORTANT TO NCDOT ... The next step in the planning process will be to summarize comments made at this workshop; consider these comments, as practicable, in an upcoming project team meeting; and then begin to prepare designs for the improvements based on your input.

There will be opportunities later in the study to review the designs for the Macy Grove Road Improvements project.

Please feel free to submit comments and ask questions throughout the project planning and design process by contacting one of the project representatives listed on Page 4 of this newsletter.

Thanks for Your Participation!

*1,675 copies of this public document were printed at a cost of \$1,641.50 or approximately \$0.98 each. 05/20/08*



## Don't Forget the Citizens Informational Workshop...

JUNE 17, 2008 FROM 4:00 PM TO 7:00 PM

CAFÉ AT THE DUDLEY BEAUTY COLLEGE— KERNERSVILLE CAMPUS

900C EAST MOUNTAIN STREET, KERNERSVILLE, NC 27284

---

### PROJECT CONTACT INFORMATION

For more information about the project, please contact Ms. Beverly Robinson (NCDOT) or Mr. Chris Werner (URS).

NCDOT

Ms. Beverly Robinson

Project Engineer

1548 Mail Service Center

Raleigh, NC 27699-1548

919.733.7844 ext. 254

brobinson@dot.state.nc.us

Consultant Team—URS Corporation

Mr. Chris Werner, P.E.

Project Manager

1600 Perimeter Park Drive, Suite 400

Morrisville, NC 27560

800.233.6315

christopher\_werner@urscorp.com



ATTN: Mr. Chris Werner

URS Corporation

1600 Perimeter Park Drive, Ste 400

Morrisville, NC 27560

CHANGE SERVICE REQUESTED

# MACY GROVE ROAD IMPROVEMENTS

## Kernersville, Forsyth & Guilford Counties

### NCDOT Projects U-2800 and U-4734



*Project History & Status.....Page 1*  
*Alternatives discussion.....Page 1*  
*New Location Build Alternatives .....Page 2*  
*Project Schedule.....Page 3*  
*Contacts.....Page 4*

## *NCDOT Seeks Input from Citizens on Alternatives*

The North Carolina Department of Transportation (NCDOT) is conducting planning and environmental studies for improvements to and extension of SR 2601 (Macy Grove Road) from SR 4319 (Industrial Park Drive) extending north to NC 150 (North Main Street) east of the Town of Kernersville in Forsyth County. The proposed improvements are included in the State Transportation Improvement Program (STIP) as Projects U-2800 and U-4734. The existing grade separation at Macy Grove Road over I-40 Business will be converted to an interchange as part of the project.

The purpose of this newsletter is to provide updated information about the project, including current project status, the proposed schedule, and to request public input on the alternatives.

## Project History & Status

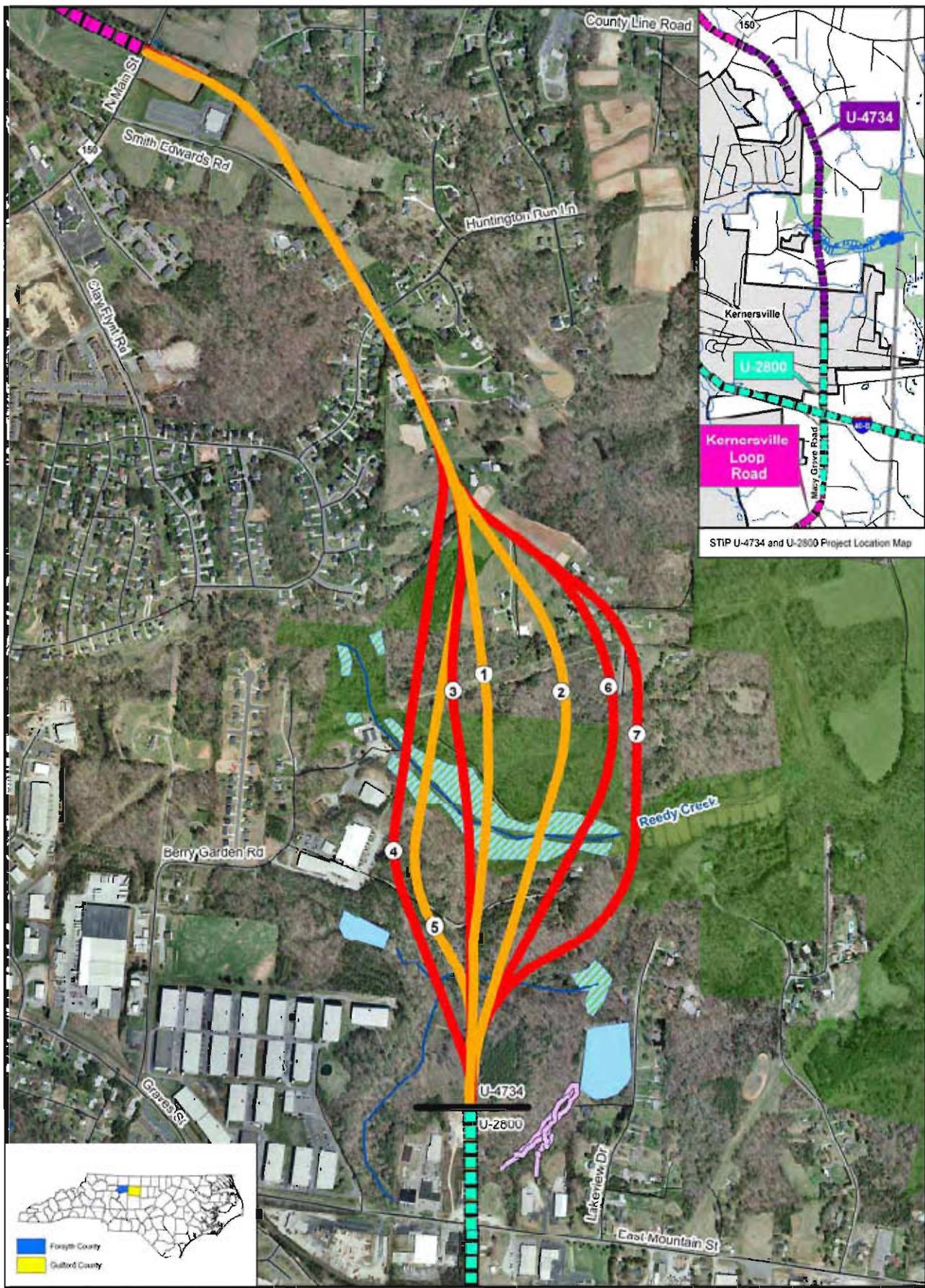
The Macy Grove Road Improvements project combines two current NCDOT STIP projects, U-2800 and U-4734. U-2800 was initiated several years ago with project planning and design studies. U-4734 was initiated in the Summer of 2007. NCDOT decided to combine the two projects in a single environmental document due to their close proximity. The environmental

document (an Environmental Assessment) is currently scheduled for completion in Summer 2010. In June 2008, NCDOT requested input from the public on the purpose and need for the combined projects. NCDOT is now seeking input from the public on the alternatives to carry forward for the U-4734 portion of the Macy Grove Road Improvements project.

## New Location Build Alternatives Developed for U-4734 Portion of the Macy Grove Road Improvements

The U-2800 portion of the Macy Grove Road Improvements project was previously presented to the public at workshops held by NCDOT. Graphics within this newsletter show New Location Build Alternative concepts developed for the U-4734 new location portion of the Macy Grove Road Improvements project. The development process utilized environmental features mapping, concepts identified in previously prepared studies by the Town of Kernersville and NCDOT, and the purpose and need for the project as presented at the June 2008 Citizens Informational Workshop. The New Location Build Alternatives were screened for potential impacts to the human and natural environment. Similar concepts were combined and those resulting with higher impacts to residences, wetlands, streams, floodplains, and the Triad Park, relative to other concepts, were eliminated from further consideration.

The results of the screening identified three new location alternatives to carry forward for further evaluation: Alternatives 1, 2, and 5 (as shown on page 2).



STIP U-4734 and U-2800 Project Location Map

North Carolina  
Department of Transportation



Date: July 2009

### Legend

 Alternatives to Carry Forward	 Delineated Streams
 Alternatives Eliminated	 NCDOT Delineated Streams and Wetlands
 Kershersville Loop Road	 Delineated Pond
 U-2800 Approximate Location	 Delineated Wetlands
 Inad Park	




Mecy Grove Road Improvements  
STIP U-4734

U-4734 New Location Build  
Alternatives

---

## Project Schedule

Project Planning and Design Studies	Currently Underway
Environmental Assessment Document Complete	Summer 2010
Public Hearing	Summer 2010
Finding of No Significant Impact Document Complete	Winter 2010
Right-of-Way Acquisition Begins	Fiscal Year 2012
Construction	Currently Unfunded

---

## Project Purpose and Need

Needs for the Macy Grove Road improvements include the following:

- No direct link between I-40 Business and NC 150 north of Kernersville.
- Congestion exists at an at-grade railroad crossing and at intersections in downtown Kernersville.
- NC 66/NC 150 interchange at I-40 Business is over capacity.

Purposes of the Macy Grove Road improvements include the following:

- Provide a link between I-40 Business and NC 150 north of Kernersville.
- Reduce congestion in downtown Kernersville and at the existing NC 66/NC 150 interchange with I-40 Business.

Potential secondary benefits of the project include the following:

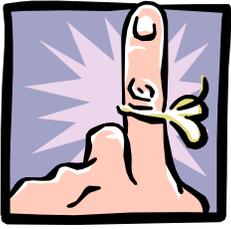
- Provide a segment of the future Kernersville Loop Road.
- Economic Growth.



## What Happens Next?

**WE NEED YOUR INPUT...** The next step in the planning process will be to summarize comments received on the alternatives to be carried forward. Your comments and recommendations will be considered in the future to assist in the selection of the "Recommended Alternative". Once the "Recommended Alternative" has been selected, more detailed designs will be prepared and evaluated in the Environmental Assessment document. When the Environment Assessment document has been completed, it will be published for comment and review by the public, the Federal Highway Administration, and regulatory and resource agencies. A public hearing will be held to obtain comments on the Environmental Assessment document and design details of the "Recommended Alternative".

*1,230 copies of this public document were printed at a cost of \$1,131.60 or approximately \$0.92 each. 07/08/09*



## Don't forget NCDOT wants your input!

Please review the Preliminary Study Alternatives and tell us what you think. Input from the public is a key component in the development of transportation projects throughout the state of North Carolina. Comments received from citizens will assist the NCDOT and technical specialists to develop a project that meets important local and regional goals and minimizes impacts to the human and natural environments.

### PROJECT CONTACT INFORMATION

For more information about the project, please contact Mr. Vince Rhea (NCDOT) or Mr. Chris Werner (URS).

NCDOT

Mr. Vince Rhea, P.E.

Project Engineer

1548 Mail Service Center

Raleigh, NC 27699-1548

919.733.7844 ext. 261

vrhea@ncdot.gov

Consultant Team—URS Corporation

Mr. Chris Werner, P.E.

Project Manager

1600 Perimeter Park Drive, Suite 400

Morrisville, NC 27560

800.233.6315

christopher\_werner@urscorp.com



ATTN: Mr. Chris Werner

URS Corporation

1600 Perimeter Park Drive, Ste 400

Morrisville, NC 27560

CHANGE SERVICE REQUESTED

**Appendix H: NEPA 404 Merger Team Concurrence Forms**

THIS PAGE INTENTIONALLY LEFT BLANK

Section 404/NEPA Merger Project Team Meeting Agreement  
Concurrence Point No. 1 – Purpose and Need

Macy Grove Road Improvements  
Forsyth County, North Carolina  
Federal Aid Project No. STP-2601(1)  
WBS Element No. 34585.1.1 and 36600.1.1  
**STIP Projects U-4734 and U-2800**

See the Purpose and Need Report for more information on the below Needs for and Purposes of the proposed project.

Project Need:

- No direct link exists between I-40 Business and NC 150 north of Kernersville

Project Purpose:

- Provide a link between I-40 Business and NC 150 north of Kernersville

The Project Team has concurred on this date of August 11, 2009 with the Purpose and Need for the proposed project as stated above.

USACE [Signature]

NCDOT [Signature]

USEPA [Signature]

USFWS [Signature]

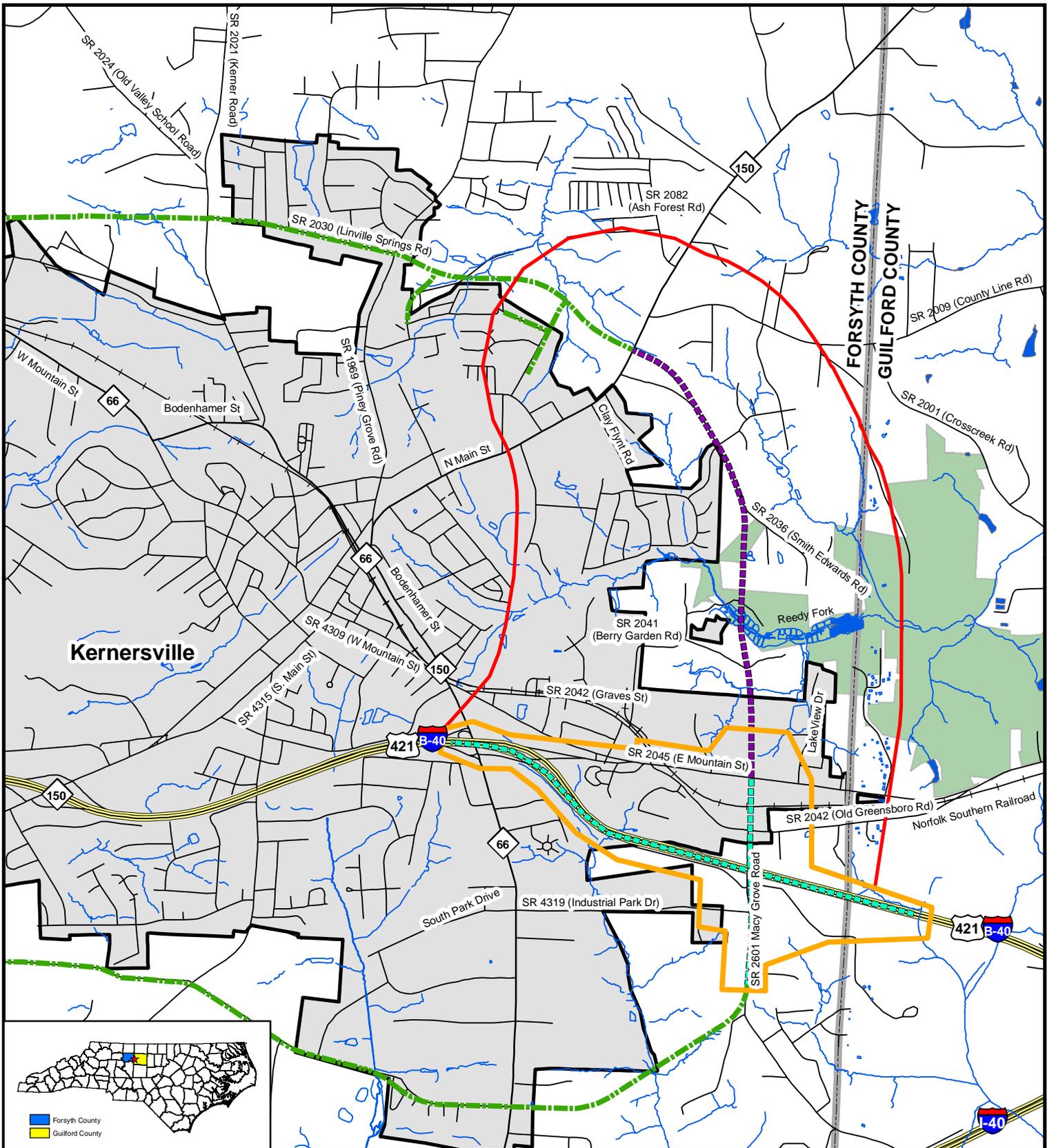
NCDWQ [Signature]

NCWRC [Signature]

FHWA [Signature]

SHPO [Signature]  
9.4.09

\* Attach study area map.



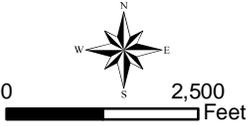
**North Carolina  
Department of Transportation**



Date: June 2009

**Legend**

 U-734 Study Area	 Local Road
 U-2800 Study Area	 Railroad
 U-734 Approximate Location	 Streams
 U-2800 Approximate Location	 Open Water
 Kernersville Loop Road	 County Boundary
 Interstate	 Municipal Boundary
 US Highway	 Triad Park
 NC Highway	



0 2,500 Feet

**Macy Grove Road Improvement  
U-2800 & U-734  
Purpose and Need Statement**

**Project Study Area**

Section 404/NEPA Merger Project Team Meeting Agreement  
Concurrence Point No. 2 – Alternatives to Carry Forward

Macy Grove Road Improvements  
Forsyth County, North Carolina  
Federal Aid Project No. STP-2601(1)  
WBS Element No. 34585.1.1 and 36600.1.1  
**STIP Projects U-4734 and U-2800**

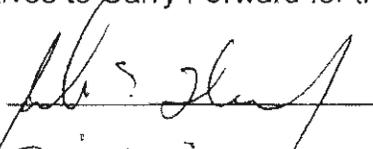
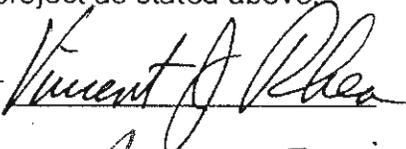
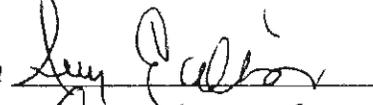
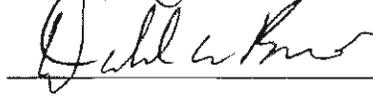
See the Preliminary Alternatives Screening Report for more information on the below Alternatives to Carry Forward for the proposed project. Refer to the attached map for the location of each alternative.

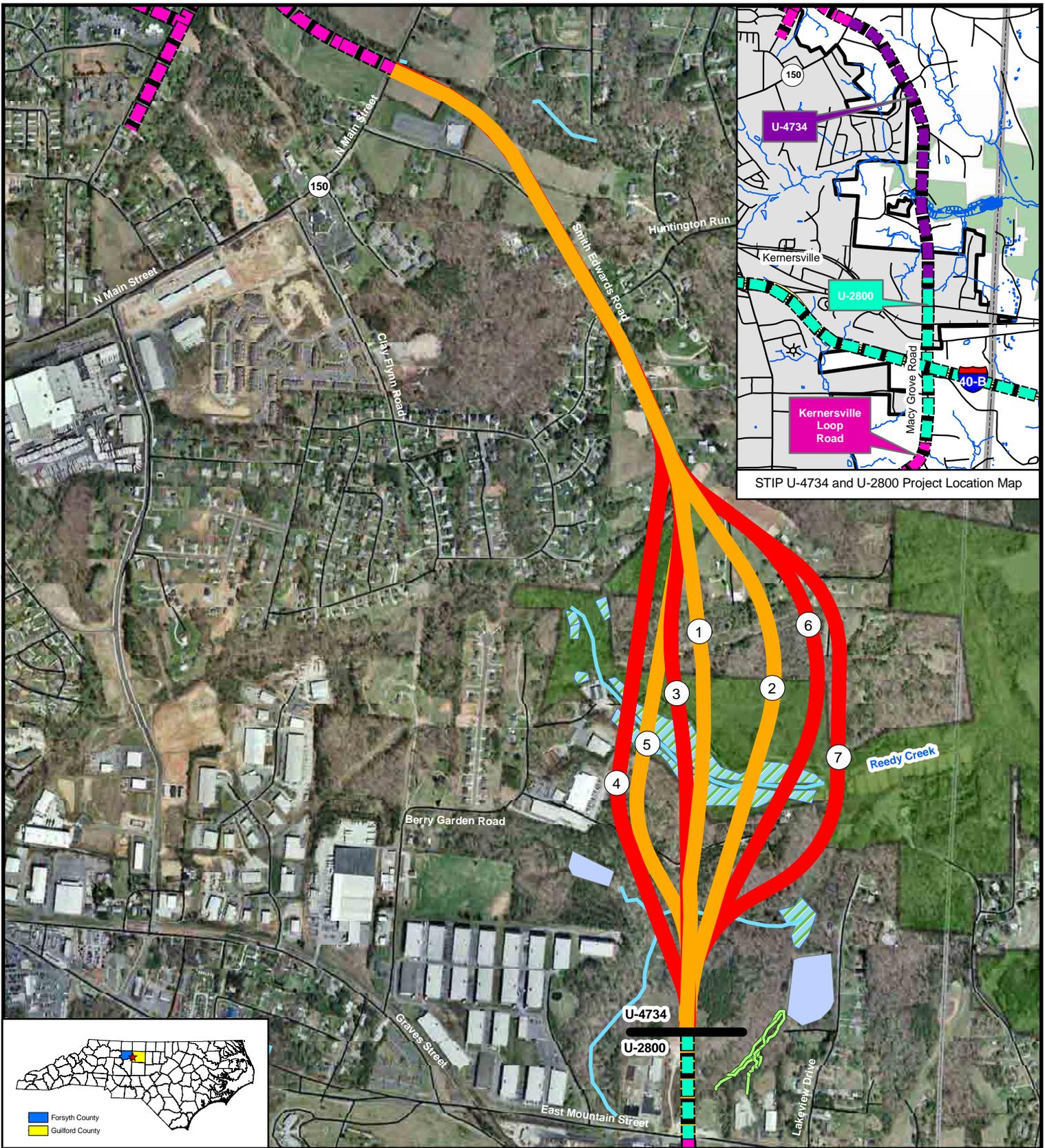
Alternative 1

Alternative 2

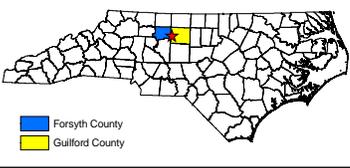
Alternative 5

The Project Team has concurred on this date of August 11, 2009 with the Alternatives to Carry Forward for the proposed project as stated above.

USACE		NCDOT	
USEPA		USFWS	
NCDWQ		NCWRC	
FHWA		SHPO	 9.4.09



STIP U-4734 and U-2800 Project Location Map



Forsyth County  
Guilford County

**North Carolina Department of Transportation**



Date: July 2009

**Legend**

Alternatives to Carry Forward	NCDOT Delineated Streams and Wetlands
Alternatives Eliminated	Interstate
Kernersville Loop Road	US Highway
U-2800 Approximate Location	NC Highway
Triad Park	Local Road
Delineated Streams	
Delineated Wetlands	
Delineated Pond	



**Macy Grove Road Improvement  
U-2800 & U-4734  
Purpose and Need Statement**

**U-4734 New Location Build Alternatives**

**Section 404/NEPA Merger Project Team Meeting Agreement  
Concurrence Point No. 2A – Bridging Decisions & Alignment Review**

Macy Grove Road Improvements  
Forsyth County, North Carolina  
Federal Aid Project No. STP-2601(1)  
WBS Element No. 34585.1.1 and 36600.1.1  
**STIP Projects U-4734 and U-2800**

The following structure type ~~and approximate length~~ will be used for each Alternative to Carry Forward at the Reedy Creek Crossing. Refer to the attached map for the location of each alternative.

- Alternative 1: Reinforced Concrete Box Culvert..... \_\_\_\_\_
- Bridge – hydraulic recommendation.....   X
- Bridge – full span..... \_\_\_\_\_
- Alternative 2: Reinforced Concrete Box Culvert..... \_\_\_\_\_
- Bridge – hydraulic recommendation.....   X
- Bridge – full span..... \_\_\_\_\_
- Alternative 5: Reinforced Concrete Box Culvert..... \_\_\_\_\_
- Bridge – hydraulic recommendation.....   X
- Bridge – full span..... \_\_\_\_\_

The Project Team has concurred on this date of September 16, 2009 with the Bridging Decisions and Alignment Review for the proposed project as stated above.

USACE	<u>John J. Shanley</u>	NCDOT	<u>Deborah Wagoner</u>
USEPA	<u>Kathy H. Matthews</u>	USFWS	<u>Mallett Zuercher</u>
NCDWQ	<u>Larry E. ...</u>	NCWRC	<u>Maria Chambers</u>
FHWA	<u>Felix ...</u>	SHPO	_____

Section 404/NEPA Merger Project Team Meeting Agreement  
Concurrence Point No. 2A – Bridging Decisions & Alignment Review

Macy Grove Road Improvements  
Forsyth County, North Carolina  
Federal Aid Project No. STP-2601(1)  
WBS Element No. 34585.1.1 and 36600.1.1  
**STIP Projects U-4734 and U-2800**

The following structure type ~~and approximate length~~ will be used for each Alternative to Carry Forward at the Reedy Creek Crossing. Refer to the attached map for the location of each alternative.

- Alternative 1: Reinforced Concrete Box Culvert..... \_\_\_\_\_  
Bridge – hydraulic recommendation.....   X    
Bridge – full span..... \_\_\_\_\_
- Alternative 2: Reinforced Concrete Box Culvert..... \_\_\_\_\_  
Bridge – hydraulic recommendation.....   X    
Bridge – full span..... \_\_\_\_\_
- Alternative 5: Reinforced Concrete Box Culvert..... \_\_\_\_\_  
Bridge – hydraulic recommendation.....   X    
Bridge – full span..... \_\_\_\_\_

The Project Team has concurred on this date of September 16, 2009 with the Bridging Decisions and Alignment Review for the proposed project as stated above.

USACE John J. Shum / NCDOT Patricia Wynn  
USEPA Kathy H. Matthews / USFWS \_\_\_\_\_  
NCDWQ Jay E. / NCWRC Maria Chambers  
FHWA Felix Q. Li / SHPO Renee Hedrick-Ealey

