

6. REFERENCES



Section 6 lists the various references and supporting documentation cited throughout the Final EIS. In addition, Section 6 includes a list of acronyms found throughout the Final EIS.

6.1 REFERENCES

Carolina Courts

www.carolinacourts.com

Centralina Council of Governments

Union County Land Use Plan, 1989.

Western Union County Local Area Regional Transportation Plan. 2009

Charlotte Area Transit System

www.charmeck.org/Departments/Airport/Construction+Update+.htm

www.charmeck.org/departments/CATS

Charlotte – Mecklenburg County

www.charmeck.org/departments/utilities/home.htm

www.charmeck.org/Departments/Planning/Area+Planning/Plans/Independence+Blvd+Area+Plan/home.htm

<http://www.charmeck.org/Departments/Planning/Rezoning/City+Zoning+Ordinance.htm>

Council on Environmental Quality

Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act (40 CFR Parts 1500-1508) NEPA.net. <http://ceq.hss.doe.gov/nepa/nepanet.htm>

Federal Highway Administration

23 CFR 771 - Impact and Related Procedures.

23 CFR 772 - Procedures for Abatement of Highway Traffic Noise and Construction Noise.

Air Quality Guidelines for Environmental Documents, NC Division, August 2007.

Air Quality Planning for Transportation Officials, 2008.

www.fhwa.dot.gov/environment/aqplan/index.htm

Fact Sheet on Highway Provisions. www.fhwa.dot.gov/safetealu/factsheets/conformity.htm

Guidance on Invasive Species: http://www.fhwa.dot.gov/environment/inv_guid.htm

Guidance for Determining *de minimis* Impacts for Section 4(f) Resources.

www.fhwa.dot.gov/hep/qasdeminimus.htm

Guidance for Preparing and Processing Environmental and Section 4(f) Documents. FHWA Technical Advisory T 6640.8A, October 1987.

Guidelines for Implementing the Final Rule of the Farmland Protection Policy Act for Highway Projects, 1989.

Highway Traffic Noise Analysis and Abatement: Policy and Guidance, June 1995.
<http://www.fhwa.dot.gov/environment/noise/polguide/polguid.pdf>.

Interim Guidance Update on MSAT Analysis in NEPA Documents, September 2009
www.fhwa.dot.gov/environment/airtoxic/100109guidmem.htm

Memorandum – Interim Guidance on Air Toxic Analysis in NEPA Documents, February 2006. www.fhwa.dot.gov/environment/airtoxic/020306guidmem.htm

Traffic Noise Model Version 2.5 and User's Guide.

Fact Sheets on Highway Provisions, FHWA Web site:
www.fhwa.dot.gov/safetealu/factsheets/conformity.htm

Federal Emergency Management Agency

www.fema.gov/plan/prevent/floodplain/nfipkeywords/lomr.shtm).

Mecklenburg County

State of the Environment Report. Prepared by the Land Use and Environmental Services Agency (LUESA) – Department of Air Quality, 2008

North Carolina Cooperative Extension

Farmland Preservation Program. [http://union.ces.ncsu.edu/content/Farmland PreservationProgram](http://union.ces.ncsu.edu/content/Farmland%20PreservationProgram)

North Carolina Department of Cultural Resources

Memorandum dated February 23, 2010 from State Historic Preservation Office regarding Archaeological Inventory and Evaluation for the US 74 Monroe Connector, R-3329, Mecklenburg and Union Counties, ER 02-9791

NC Department of Environment and Natural Resources – Division of Water Quality

2003 Yadkin-Pee Dee River Basinwide Water Quality Plan.
http://h2o.enr.state.nc.us/basinwide/yadkin/YadkinPD_wq_dt_management_plan0103.htm

2008 Yadkin-Pee Dee River Basinwide Water Quality Plan.
<http://h2o.enr.state.nc.us/basinwide/Neuse/2008/Yadkin2008.htm>

Basinwide Assessment Report for the Catawba River Basin, 2008.
<http://h2o.enr.state.nc.us/esb/documents/2008CTBBAU rptweb.pdf>

Basinwide Assessment Report for the Yadkin River Basin, April 2007.
<http://h2o.enr.state.nc.us/esb/Basinwide/YADBasinwide2007.pdf>

Erosion and Sedimentation Control Planning and Design, June 2006.

Identification Methods for the Origin of Intermittent and Perennial Streams, Version 3.1, 2005.

Lake and Reservoir Assessments–Yadkin Pee Dee River Basin.
<http://h2o.enr.state.nc.us/esb/Basinwide/YadkinLakes2006v7.pdf>

North Carolina Water Quality Assessment and Impaired Waters List (2006 Integrated 305(b) and 303(d) Report, 2007. http://h2o.enr.state.nc.us/tmdl/documents/2006IR_FINAL_000.pdf

North Carolina Waterbodies Report.
<http://h2o.enr.state.nc.us/bims/reports/basinsandwaterbodies/hydroYadkin.pdf>

Final North Carolina 303(d) List, 2006.
http://h2o.enr.state.nc.us/tmdl/documents/303d_Report.pdf

Draft North Carolina 303(d) List, 2008.

<http://h2o.enr.state.nc.us/tmdl/documents/B.Draft2008303dList.pdf>

NPDES Permit List. http://h2o.enr.state.nc.us/NPDES/documents/BIMS_100608.xls

Site Specific Water Quality Management Plan for the Goose Creek Watershed, March 2009

Water Supply Watershed Classifications. <http://h2o.enr.state.nc.us/wswp/wsclasses.html>

Water Supply Watershed Protection Rules. h2o.enr.state.nc.us/wswp/TablClas.html

NC Department of Environment and Natural Resources – Division of Air Quality

Guidelines for Evaluating the Air Quality Impacts of Transportation Facilities, September 2007.

2000 Ambient Air Quality Report, 2002.

NC Department of Environment and Natural Resources – Division of Land Resources

List of Permitted Active and Inactive Mines in North Carolina.

www.dlr.enr.state.nc.us/pages/permittedmines.html

Erosion and Sediment Control Planning and Design, June 2006.

www.dlr.enr.state.nc.us/pages/publications.html

NC Department of Transportation

2009-2015 State Transportation Improvement Program.

2030 Metrolina Regional Travel Demand Model, December 2005.

Answers to the Questions Most Often Asked About Right of Way Acquisitions and Relocation Assistance

Archaeological Background Report – US 74 Monroe Bypass (R-2559) Study Area, December 1995.

Assessing Indirect and Cumulative Effects of Transportation Projects in North Carolina, November 2001.

Guidelines for Best Management Practices for Protection of Surface Waters.

Invasive Exotic Plants of North Carolina, 2008.

www.ncdot.org/doh/preconstruct/pe/neu/NEUProcedures/NCDOT_Invasive_Exotic_Plants.pdf

Personal communication via email dated January 20, 2010 from Gerold Glover, PhD, Archaeologist II, Human Environment Unit.

Traffic Noise Abatement Policy, 2004.

NC Floodplain Mapping Program

www.ncfloodmaps.com/firm_indexes.htm

North Carolina Turnpike Authority

www.ncturnpike.org/projects/monroe

Town of Marshville

marshvillenc.govoffice2.com/

Comprehensive Transportation Plan Study, 2009

Town of Marshville Land Use Plan, August 2004.

Union County

www.co.union.nc.us

Union County Comprehensive Plan Update, Transportation Analysis and Strategies, September 2008. www.co.union.nc.us/Portals/0/Planning/Presentations/Union_County_Transportation_Analysis.pdf

Union County Short-Term Water Allocation Plan. September 2009.

US Census Bureau

www.census.gov

Housing data: www.census.gov/popest/housing/tables/HU-EST2007-05.xls

Commuting Information: www.census.gov/population/www/cen2000/commuting/index.html

US Department of Agriculture

2002 Census of Agriculture – North Carolina State and County Data. Volume 1, Geographic Area Series, Part 33. Report No. AC-02-A-33. June, 2004.

2007 Census of Agriculture – North Carolina State and County Data. Volume 1. Geographic Area Series Part 33, Report No. AC-07-A-33), September, 2009

www.nass.usda.gov/census/census02/volume1/nc/index2.htm

US Department of Agriculture- Natural Resource Conservation Service

List of North Carolina Important Farmlands. December, 2005.

<ftp://ftp-fc.sc.egov.usda.gov/NC/NCweb/Programs/soilsurvey>.

Soil Survey of Union County, North Carolina. January 1996.

Soil Survey of Mecklenburg County, North Carolina. June 1980.

Soil Survey of Union County, North Carolina. June 2009

Soil Survey of Mecklenburg County, North Carolina. April 2009

<http://soildatamart.nrcs.usda.gov>

US Environmental Protection Agency

1999 National Air Toxics Assessment (NATA). <http://www.epa.gov/ttn/atw/nata1999/>

Cleaner Diesels: Low Cost Ways to Reduce Emissions from Construction Equipment. March 2007

Control of Emissions of Hazardous Air Pollutants from Mobile Sources, Volume 66, Number 61, pages 17230-17273. Published in the Federal Register on March 29, 2001.

Control of Hazardous Air Pollutants from Mobile Sources, Volume 72, Number 37, pages 8427-8570. Published in the Federal Register on February 26, 2007.

Controlling Emissions of Hazardous Air Pollutants from Mobile Sources (66 CFR 17229). March 29, 2001.

Draft Plan for Review of the Primary National Ambient Air Quality Standard for Carbon Monoxide, March 2008.

Green Book Nonattainment Areas for Criteria Pollutants. www.epa.gov/oar/oaqps/greenbk/

Integrated Plan for Review of the Primary NAAQS for Sulfur Oxides. October 2007.

Integrated Risk Information Systems (IRIS). <http://cfcpub.epa.gov/ncea/iris/index.cfm>

Latest Findings on National Air Quality – Status and Trends through 2006. January 2008.

National Ambient Air Quality Standards. www.epa.gov/air/criteria.html

US Fish and Wildlife Service

Lists of Federally Protected Species for Union and Mecklenburg Counties, 2008.
www.fws.gov/nc-es/es/countyfr.html.

6.2 SUPPORTING PROJECT DOCUMENTATION

The supporting project documentation listed below is technical memoranda and reports incorporated by reference into the Draft EIS and Final EIS. These are available for review upon request by contacting NCTA via email at monroe@ncturnpike.org or via telephone at (919) 571-3000. Documents also available on the NCTA Web site (www.ncturnpike.org) are marked with an asterisk *.

6.2.1 SUPPORTING PROJECT DOCUMENTATION PRIOR TO PUBLICATION OF THE DRAFT EIS

The supporting project documentation listed below is technical memoranda and reports created prior to publication of the Draft EIS in March 2009, and incorporated by reference into the Draft EIS

1995, October	Phase II Architectural Survey and Evaluations of Eligibility for US 74 Bypass, Senator Jesse Helms Freeway (Monroe Bypass). Prepared by Mattson, Alexander & Associates.
1995, December	Archaeological Background Report – US 74 Monroe Bypass (R-2559) Study Area. Prepared by NCDOT.
1996, March	US 74 Monroe Bypass Environmental Assessment. Prepared by JBM Engineers & Planners.
2000, September	Phase II Survey of Historic Architectural Resources for the Monroe Connector. Prepared by Mattson, Alexander & Associates.
2003, October	Draft Environmental Impact Statement for US 74 Improvements I-485 to US 601. Prepared by PBS&J. (Rescinded by [Federal Register Notice, January 2006, Federal Register, Vol. 71, No 19, page 4958])
2006, October	Proposed Monroe Connector Preliminary Traffic and Revenue Study. Prepared by Wilbur Smith Associates.
2007, October	Historic Architectural Resources Reconnaissance Report – Monroe Connector/Bypass. Prepared by NCDOT Historic Architecture Group.
2008, February	Final Statement of Purpose and Need for the Monroe Connector/Bypass. Prepared by PBS&J.
2008, March	Existing and Year 2030 No-Build Traffic Operations Technical Memorandum. Prepared by PBS&J.
2008, April	Alternatives Development and Analysis Report. Prepared by PBS&J.
2008, April	GeoEnvironmental Impact Evaluation. Prepared by NCDOT Geotechnical Engineering Unit.

2008, June	Traffic Forecasts for the No-Build Alternatives for the NCDOT State TIP Project No. R-3329 and NCDOT State TIP Project No. R-2559, Monroe Connector/Bypass Study. Prepared by Martin/Alexiou/Bryson.
2008, September	Traffic Forecast for TIP Projects R-3329 & R-2559 Monroe Connector/Bypass. Prepared by Wilbur Smith Associates.
2008, December	Preliminary Hydraulic Technical Memorandum. Prepared by PBS&J.
2008, December	Natural Resources State Technical Report for the Monroe Connector/Bypass. Prepared by ESI.
2009, January	Monroe Connector/Bypass Relocation Reports. Prepared by Carolina Land Acquisition.
2009, January	Indirect and Cumulative Effects Assessment. Prepared by HNTB
2009, January	Jurisdictional and Community Impacts for the Monroe Connector/Bypass. Prepared by ESI.
2009, February	Community Impact Assessment. Prepared by PBS&J.
2009, February	Year 2035 Build Traffic Operations Technical Memorandum. Prepared by PBS&J.
2009, February	Final Air Quality Technical Memorandum. Prepared by PBS&J.

6.2.2 SUPPORTING PROJECT DOCUMENTATION AFTER PUBLICATION OF THE DRAFT EIS

The supporting project documentation listed below are technical memoranda and reports created after publication of the Draft EIS in March 2009 for the Final EIS, and incorporated by reference into the Final EIS

2009, March	Monroe DEIS Cost Estimation Support Memo. Prepared by HNTB.
2009, March	Final Traffic Noise Technical Memorandum. Prepared by PBS&J.
2009, March	Upgrade Existing US 74 Technical Memorandum. Prepared by HNTB and PBS&J.
2009, June	Freshwater Mussel Survey Report. Prepared by The Catena Group.
2009, August	Preferred Alternative Report. Prepared by PBS&J.
2009, November	Final Addendum to Year 2035 Build Traffic Operations Technical Memorandum. Prepared by PBS&J.
2010, January	Review for Potential On-Site Mitigation. Prepared by ESI.
2010, February	Addendum Traffic Noise Technical Memorandum. Prepared by PBS&J.
2010, March	Final Archaeological Inventory and Evaluation for the US 74 Monroe Connector. Prepared by New South Associates.
2010, April	Monroe Connector/Bypass Service Road Study. Prepared by PBS&J.
2010, April	Indirect and Cumulative Effects Quantitative Analysis. Prepared by Michael Baker Engineering, Inc.
2010, April	Indirect and Cumulative Effects Water Quality Analysis, Prepared by PBS&J

2010, May Biological Assessment for the Monroe Connector-Bypass Project (R-3329/R-2559). Prepared by The Catena Group.

6.3 LIST OF ACRONYMS

The following is a list of commonly-used acronyms found throughout this Final EIS and associated appendices.

TABLE 6-1: List of Acronyms

Acronym	Definition	Acronym	Definition
AADT	Annual Average Daily Traffic	AASHTO	American Association of State Highway and Transportation Officials
ABT	Averaging, Banking, and Trading program	AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APE	Area of Potential Effects	AQ	Air Quality
AST	Above Ground Storage Tank	BA	Biological Assessment
BEA	Barrier Evaluation Area	BLVD	Boulevard
BMP	Best Management Practices	BRT	Bus Rapid Transit
CAA	Clean Air Act	CARE	Citizens Against Route Eighteen
CASAC	Clean Air Scientific Advisory Committee	CATS	Charlotte Area Transit System
CDBG	Community Development Block Grant	CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act	CFR	Code of Federal Regulations
CIW	Citizens Informational Workshops	CLGP	Conformity Lapse Grace Period
CLOMR	Conditional Letter of Map Revision	CO	Carbon Monoxide
COG	Council of Governments	CPCC	Central Piedmont Community College
CWA	Clean Water Act	DSA	Detailed Study Alternative
E	Endangered	EA	Environmental Assessment
EEP	Ecosystem Enhancement Program	EIS	Environmental Impact Statement
ENR	Environment and Natural Resources	ESA	Endangered Species Act
ETC	Electronic Toll Collection	FBFM	Flood Boundary and Floodway Map
FEMA	Federal Emergency Management Agency	FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Maps	FLUSA	Future Land Use Study Area
FONSI	Finding of No Significant Impact	FPPA	Farmland Protection Policy Act
FSC	Federal Species of Concern	FTA	Federal Transit Administration
GAP	Gap Analysis Program	GHG	Greenhouse Gas
GIS	Geographic Information Systems	HAP	Hazardous Air Pollutants
HAPEM	Hazardous Air Pollutant Exposure Model	HC	Hydrocarbons
HOT	High Occupancy Toll	HOV	High Occupancy Vehicles
HPO	Historic Preservation Office	HUC	Hydrologic Unit Code
HUD	United States Department of Housing and Urban Development	ICC	Inter-County Connector
ICE	Indirect and Cumulative Effects	IP	Individual Permit
IRIS	Integrated Risk Information System	LEDPA	Least Environmentally Damaging Practicable Alternative

TABLE 6-1: List of Acronyms

Acronym	Definition	Acronym	Definition
LFA	Lead Federal Agency	LID	Low Impact Development
LOMR	Letter of Map Revision	LOS	Level of Service
L RTP	Long Range Transportation Plan	MCAPCO	Mecklenburg County Air Pollution Control Ordinance
MOA	Memorandum of Agreement	MOU	Memorandum of Understanding
MOVES	Motor Vehicle Emission Simulator	MPH	Mile Per Hour
MPO	Metropolitan Planning Organization	MRM	Metrolina Travel Demand Model
MSAT	Mobile Source Air Toxics	MUMPO	Mecklenburg-Union Metropolitan Planning Organization
MVEB	Motor Vehicle Emissions Budget	NAAQS	National Ambient Air Quality Standards
NATA	National Air Toxics Assessment	NC-CREWS	North Carolina Coastal Region Evaluation of Wetland Significance
NC DENR	North Carolina Department of Environment and Natural Resources	NC DENR-DAQ	North Carolina Department of Environment and Natural Resources – Division of Air Quality
NC-DEH	North Carolina Department of Environment and Natural Resources – Division of Environmental Health	NC DENR-DEH, PWSS	North Carolina Department of Environment and Natural Resources – Division of Environmental Health, Public Water Supply Section
NC DENR-DWQ	North Carolina Department of Environment and Natural Resources – Division of Water Quality	NC DOT	North Carolina Department of Transportation
NC GS	North Carolina General Statutes	NCHRP	National Cooperative Highway Research Program
NCTA	North Carolina Turnpike Authority	NCWAM	North Carolina Wetland Assessment Method
NCWRC	North Carolina Wildlife Resources Commission	NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program	NHP	Natural Heritage Program
NOI	Notice of Intent	NO _x	Nitrogen Oxide
NPDES	National Pollutant Discharge Elimination System	NRCS	Natural Resource Conservation Service
NRHP	National Register of Historic Places	NTP	National Toxicology Program
NWI	National Wetland Inventory	OSA	Office of State Archaeology
PM	Particulate Matter	PSA	Preliminary Study Alternatives
ROD	Record of Decision	ROW	Right of Way
RPO	Rural Planning Organization	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users
SC	Species of Concern	SCH	State Clearinghouse
SCS	Soil Conservation Service	SE	Socio-Economic
SELC	Southern Environmental Law Center	SEPA	State Environmental Policy Act
SHC	Strategic Highway Corridor	SIP	State Implementation Plan
SR	State Road	STIP	State Transportation Improvement Program
STRAHNET	Strategic Highway Network	TAZ	Traffic Analysis Zone
TCC	Technical Coordinating Committee	TDM	Transportation Demand Management

TABLE 6-1: List of Acronyms

Acronym	Definition	Acronym	Definition
TEAC	Turnpike Environmental Agency Coordination	TIP	Transportation Improvement Program
TNM	Traffic Noise Model	TOG	Total Organic Gas
TSM	Transportation System Management	USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture	USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency	USFWS	United States Department of the Interior Fish and Wildlife Service
UST	Underground Storage Tank	VAD	Voluntary Agricultural Districts
VHT	Vehicle-Hours Traveled	VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds	WRC	Wildlife Resources Commission