

MATERIAL AVAILABLE AND SUPPLIED CHECKLISTI-4744
6/3/2009

The following list outlines possible materials to be supplied to all short-listed teams. The Department in no way guarantees either the availability of these items or the time at which these materials will become available. It is the intent to provide as many of these materials to the short-listed teams immediately following the short-listing process. The Department will entertain requests for information not itemized below, by email request to designbuild@ncdot.gov.

I-4744 Material Available and Supplied Checklist 6/3/2009	Will it be Available?	Date and Method of Delivery to Firms
Planning and Environmental		
Categorical Exclusion (Hard Copy - Signed 1/29/09; Electronic Copy – CD Dated January 2009)	Yes	By Letter Dated: 4/2/09
Hydraulic Technical Memorandum (Hard Copy - Dated 2/11/08)	Yes	By Letter Dated: 4/2/09
Final Noise Technical Report (Hard Copy - Dated January 2009; Electronic Copy - CD Dated January 2009)	Yes	By Letter Dated: 4/2/09
Noise Technical Report Addendum (Hard Copy - Dated 3/11/09)	Yes	By Letter Dated: 4/2/09
Categorical Exclusion Action Classification Form – I-4744 Addendum - Programmatic CE addresses proposed resurfacing of interchange ramps (Hard Copy – Signed 3/31/09; Electronic Copy – CD Dated January 2009)	Yes	By Letter Dated: 4/2/09
Public Hearing Map - .pdf format	Yes	http://www.ncdot.org/doh/preconstruct/altern/design_build/i4744/i4744.html
TNM calibration model for FS-1 receptor (Electronic Copy – CD Dated 4/20/09)	Yes	By Letter Dated: 4/20/09
TNM calibration model for FS-3 receptor (Electronic Copy – CD Dated 4/20/09)	Yes	By Letter Dated: 4/20/09
TNM barrier design model for sound barrier #1 (Electronic Copy – CD Dated 4/20/09)	Yes	By Letter Dated: 4/20/09
TNM barrier design model for sound barrier #2 (Electronic Copy – CD Dated 4/20/09)	Yes	By Letter Dated: 4/20/09
Raw noise monitoring level data obtained in the field on June 11, 2008 at receptors FS-1 and FS-3 (Electronic Copy – CD Dated 4/20/09)	Yes	By Letter Dated: 4/20/09
I-4744 Categorical Exclusion Action Classification Form for Exit Ramp US 1 South and I-40 West Stormwater Controls and Shoulder Pavement Widening (Hard Copy – Approved 4/6/09)	Yes	By Letter Dated: 4/20/09
Draft Minutes of the 30% Hydraulic Design Review (4B) Meeting on June 18, 2008 for I-4744 (Hard Copy – No Date)	Yes	By Letter Dated: 4/30/09
Plans (Adjacent or Previous Projects)		
I-5112 Proposal (Hard Copy – Signed and Sealed 3/18/09)	Yes	By Letter Dated: 4/2/09
I-5112 Plans (Hard Copy - Dated 1/21/09)	Yes	By Letter Dated: 4/2/09
W-5130 Plans (Hard Copy – Let Date January 2009)	Yes	By Letter Dated: 4/2/09
I-4902 – Existing and Proposed Signs I-40 Interchange Raleigh I-40/I-440 Sheet No. 29 (Hard Copy – Signed and Sealed 04/16/09)	Yes	By Letter Dated: 4/20/09
TIP I-2616 Overhead Sign Assemblies - Structure Line Drawings - Assemblies A, H and I (Hard Copy - Signed and Sealed 6/6/96 and 10/31/96)	Yes	By Letter Dated: 5/20/09
TIP I-2616 Overhead Sign Assemblies - Shop Drawings (Hard Copy - Checked 12/17/96)	Yes	By Letter Dated: 5/20/09
Roadway		
Roadway Plans - I-40 from SR 1652 west of Raleigh to 2115' +/- south of SR 1656 (Trinity Road) – Project 8.1475304 (Hard Copy – Letting Date March 28, 1978)	Yes	By Letter Dated: 4/30/09
Roadway Plans - I-40 Raleigh Beltline from south of Hillsboro Street to west of Franklin Road – Project 8.1475303 – Sheet Nos. 4 – 16, 98 – 101, 103 - 136 (Hard Copy – Date not legible)	Yes	By Letter Dated: 4/30/09

I-4744 Material Available and Supplied Checklist 6/3/2009	Will it be Available?	Date and Method of Delivery to Firms
Structures		
Bridge Maintenance Analysis Sheets (Electronic Copy – CD Dated 4/20/09) <ul style="list-style-type: none"> ● Bridge No. 910142 ● Bridge No. 910228 ● Bridge No. 910253 ● Bridge No. 910348 ● Bridge No. 910553 ● Bridge No. 910554 ● Bridge No. 910557 ● Bridge No. 910570 ● Bridge No. 910580 ● Bridge No. 910584 ● Bridge No. 910585 	Yes	By Letter Dated: 4/20/09
Bridge Inspection Reports (Electronic Copy – CD Dated 4/20/09) <ul style="list-style-type: none"> ● Bridge No. 910142 ● Bridge No. 910228 ● Bridge No. 910253 ● Bridge No. 910348 ● Bridge No. 910553 ● Bridge No. 910554 ● Bridge No. 910556 ● Bridge No. 910557 ● Bridge No. 910570 ● Bridge No. 910580 ● Bridge No. 910584 ● Bridge No. 910585 ● Bridge No. 910587 	Yes	By Letter Dated: 4/20/09
Existing Bridge Plans (Electronic Copy – CD Dated 4/20/09) <ul style="list-style-type: none"> ● Bridge No. 910142 ● Bridge No. 910228 ● Bridge No. 910253 ● Bridge No. 910348 ● Bridge No. 910556 ● Bridge No. 910557 ● Bridge No. 910570 ● Bridge No. 910580 ● Bridge No. 910584 ● Bridge No. 910585 	Yes	By Letter Dated: 4/20/09
I-4744 Existing Bridge Information – Dual Bridges I-440 at Western Boulevard, Dual Bridges I-440 at Wade Avenue, Bridge I-440 at Hillsborough Street (Hard Copy – No Date)	Yes	By Letter Dated: 4/30/09
Bridge Coordinates and Elevations (Hard Copy – Dated November 13, 2007) <ul style="list-style-type: none"> ● I-40 EBL over Wade Ave ● I-40 WBL over Wade Ave ● I-40 EBL over US 1 ● I-40 WBL over US 1 	Yes	By Letter Dated: 4/30/09
Bridge Inspection Report: <ul style="list-style-type: none"> ● Bridge No. 910142 (Hard Copy – Inspection Date 6/13/06 - Analysis Date 11/29/06) ● Bridge No. 910228 (Hard Copy – Inspection Date 9/6/07 - Analysis Date 11/30/07) ● Bridge No. 910253 (Hard Copy – Inspection Date 2/27/08 - Analysis Date 3/24/08) ● Bridge No. 910348 (Hard Copy – Inspection Date 3/12/07 - Analysis Date 8/27/07) ● Bridge No. 910552 (Hard Copy – Inspection Date 5/1/08 - Analysis Date 7/16/08) ● Bridge No. 910553 (Hard Copy – Inspection Date 2/13/07 - Analysis Date 7/26/07) ● Bridge No. 910554 (Hard Copy – Inspection Date 2/09/07 - Analysis Date 8/16/07) ● Bridge No. 910556 (Hard Copy – Inspection Date 2/12/07) ● Bridge No. 910557 (Hard Copy – Inspection Date 2/12/07 - Analysis Date 8/16/07) ● Bridge No. 910570 (Hard Copy – Inspection Date 2/27/08 - Analysis Date 4/2/08) 	Yes	By Letter Dated: 4/30/09

I-4744 Material Available and Supplied Checklist 6/3/2009	Will it be Available?	Date and Method of Delivery to Firms
<ul style="list-style-type: none"> • Bridge No. 910580 (Hard Copy – Inspection Date 2/27/08 - Analysis Date 4/2/08) • Bridge No. 910584 (Hard Copy – Inspection Date 3/9/07) • Bridge No. 910585 (Hard Copy – Inspection Date 3/12/07 - Analysis Date 8/24/07) 		
As-Built Structure Plans for I- 40 Bridges over Wade Avenue – Project No. 8.1475304 – Sheet Nos. 92 – 174 of 221 (Hard Copy – Dated May 1977 – Certified 5/5 & 7/81)	Yes	By Letter Dated: 4/30/09
Structure Plans: <ul style="list-style-type: none"> • Project No. 8.1475303 <ul style="list-style-type: none"> • Bridge over –L- (Prop. I-40) on Buck Jones Road (Bridge No. 910228) (Hard Copy – Sheet S-1 Dated December 1976) • Bridge over –Y- (US 1 & US 64) on –L- (Prop. I-40) – Westbound Lanes (Hard Copy – Sheet S-87 Dated January 1977) • Bridge over –Y- (US 1 & US 64) on –L- (Prop. I-40) – Eastbound Lanes (Hard Copy – Sheet S-124 Dated February 1977) • Project No. 8.1475304 <ul style="list-style-type: none"> • Bridge over I-40 on SR 1655 (No. 910142) (Hard Copy – Sheet S-1 Dated March 1977) • Bridge on Future Southbound Lane of Reedy Road over East and West Bound Lanes of Wade Avenue and Left and Right Lanes of I-40 (Bridge No. 910552) (Hard Copy – Sheet S-34 Dated June 1977) • Bridge over Proposed I-40 on SR 1656 (Bridge No. 910570) (Hard Copy – Sheet S-163 Dated October 1977) • Project No. 8.1475305 – Bridge on NC 54 over Left and Right Lanes of I-40 (Bridge No. 910348) (Hard Copy – Sheet S-1 Dated October 1977) • Project No. 8.1475306 <ul style="list-style-type: none"> • Seaboard Coast Line R.R. & Southern R.R. over I-40 (Raleigh Beltline) (Bridge No. 91556R) (Hard Copy – Sheet S-1 Dated 3/20/78) • Bridge over I-40 on SR 1011 (Bridge No. 910557) (Hard Copy – Cover Sheet Dated January 1978) • Project No. 8.1475307 - Bridge over I-40 on Western Blvd. Extension (Bridge No. 910580) (Hard Copy – Sheet S-1 Dated July 1979) • Project No. 8.1475402 – Bridge on Franklin Road (Line -Y8-) over Proposed I-40 (Line –L-) (Bridge No. 910253) (Hard Copy – Sheet S-1 Dated September 1977) 	Yes	By Letter Dated: 4/30/09
Structures Plans – Project 8.1475304 – Plan Sheet Nos. 3S – 3Z (Electronic Copy – CD Dated 5/13/09)	Yes	By Letter Dated: 5/14/09

Maintenance

I-4744 Maintenance Repairs - May 29, 2009 (Electronic Copy - CD Dated 6/3/09)	Yes	By Letter Dated: 6/3/09
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Preliminary Plans (Current Project)

I-4744 Final Design Field Inspection Roadway Plans (Hard Copy - Dated 1/29/09)	Yes	By Letter Dated: 4/2/09
I-4744 Preliminary Plans – Drainage, DTM, GPK, Hydraulics, Location & Surveys, Roadway, Traffic and Photogrammetric (Electronic Copy - 2 CDs Dated 4/1/09)	Yes	By Letter Dated: 4/2/09
2007 Build Auxiliary Lane Concept – I-40 eastbound from Harrison Avenue to Wade Avenue - Figure 4 (Hard Copy - Dated January 2009)	Yes	By Letter Dated: 4/2/09
2007 Build Auxiliary Lane Concept – I-40 eastbound at US 1 / US 64 / I-440 - Figure 5 (Hard Copy - Dated January 2009)	Yes	By Letter Dated: 4/2/09
I-4744 No Truck Median Lane Sketch (Hard Copy - No Date)	Yes	By Letter Dated: 4/2/09
I-40 Operational Improvements STIP Project I-4744, Project Study Area Map (Hard Copy - Dated October 2008)	Yes	By Letter Dated: 4/2/09
I-4744 Signing Schematic (Hard Copy - Dated March 11, 2009)	Yes	By Letter Dated: 4/2/09
Known Overhead Sign Structures with Speed Sensor Equipment Attached (Hard Copy - Dated March 31, 2009)	Yes	By Letter Dated: 4/2/09
I-4744 NEU Wetland Boundaries (Electronic Copy - CD Dated 4/1/09)	Yes	By Letter Dated: 4/2/09
Dry Detention Basin Information Sheet (Hard Copy - Dated 4/1/09)	Yes	By Letter Dated: 4/2/09
I-4744 External Constructability Review (Hard Copy - Dated 10/17/08)	Yes	By Letter Dated: 4/2/09
I-4744 Drainage - Red Line Plans (Hard Copy – Dated 2/18/08 - Internal Plan Sheets Dated 2/18/08, 3/11/08, 3/26/08 and 7/16/08)	Yes	By Letter Dated: 4/20/09

I-4744 Material Available and Supplied Checklist 6/3/2009	Will it be Available?	Date and Method of Delivery to Firms
I-4744 Storm Drain Design Computations – Sheets 1 - 32 (Hard Copy – Sheet 1 Dated 6/2/08)	Yes	By Letter Dated: 4/20/09
I-4744 Inlet Computation Sheets 1 - 29 (Hard Copy – Sheet 1 Dated 6/2/08)	Yes	By Letter Dated: 4/20/09
I-4744 Preliminary Plans and Details for Proposed Lighting / Electrical Construction – Plan Sheet Nos. E1 – E7 (Hard Copy – Dated 2/19/09)	Yes	By Letter Dated: 4/20/09
I-4744 Final Design Inspection Action Items (Hard Copy – Dated 4/20/09)	Yes	By Letter Dated: 4/30/09
I-4744 Signing Schematic – Micro Station File i4744DB_4-27-09_dsn.dgn (Electronic Copy – CD Dated 4/27/09)	Yes	By Letter Dated: 4/30/09
I-4744 Preliminary Hydraulic Design – Micro Station File i-4744_hyd_drn.dgn (Electronic Copy – CD Dated 4/29/09)	Yes	By Letter Dated: 4/30/09
Hydraulic Dry Detention Basin Preliminary Information: <ul style="list-style-type: none"> • Project Reference No. I-4744 <ul style="list-style-type: none"> • I 40 / US 1 Stormwater Retrofit Site #2 Detention and Filtration Basin Sections and Details - Sheet Nos. 28a, 28b, 28c (Hard Copy – Design Date August 2008) • I-440 Outer Ramp to I-40 West Slope Failure Repair – Site and Grading Plan – Sheet No. 4 (Hard Copy – Dated December 2008) • I 40 / US 1 Stormwater Retrofit Site #2 - Detention and Filtration Basin Site and Grading Plan – Sheet No. 27 (Hard Copy – Design Date August 2008) • Project Reference No. R-4436 <ul style="list-style-type: none"> • Site 3 Typical – Sheet No. 2C (Hard Copy – No Date) • Details – Sheet No. 2K (Hard Copy – No Date) • Project Site Map and Survey Control – Sites 2 and 3 – Sheet No. 4 (Hard Copy – No Date) • Site 3 – Sheet Nos. 7 and 8 (Hard Copy – No Date) • Design for US-1 / I-40 Interchange 3 BMP Retrofit Sites – Dry Detention Basins – Prepared by URS Corporation – North Carolina (Hard Copy – Dated Final - February 2006) • NCDOT Highway Stormwater Program - I-40 US-1 Interchange BMP Retrofit Site #2 Reevaluation and Associated Design Engineering Report – Prepared by URS Corporation – North Carolina (Hard Copy – Dated October 2008) 	Yes	By Letter Dated: 4/30/09
I-4744 Signing Schematic (Hard Copy – Dated 5/12/09)	Yes	By Letter Dated: 5/14/09
I-4744 Signing Schematic – Micro Station File i4744DB_5-11-09_dsn.dgn (Electronic Copy – CD Dated 5/11/09)	Yes	By Letter Dated: 5/14/09

Agreements / Guidelines

NCDOT – FHWA Agreement for Oversight of the Design and Construction Phases of Federally Funded Projects (Hard Copy – No Date)	Yes	By Letter Dated: 4/20/09
Sample Utility Relocation Agreement (Hard Copy – No Date)	Yes	By Letter Dated: 4/30/09
NCDOT Standard Practice for Retroreflective Sign Sheeting (Hard Copy – Dated March 4, 2009)	Yes	By Letter Dated: 4/30/09
CSX Transportation Insurance Requirements (Hard Copy – No Date)	Yes	By Letter Dated: 4/30/09
CSX Transportation Construction Requirements (Hard Copy – No Date)	Yes	By Letter Dated: 4/30/09
CSX Transportation Special Provisions (Hard Copy – Date Issued 10/1/99)	Yes	By Letter Dated: 4/30/09
NCDOT Materials and Tests Unit Modification of AASHTO T 180-01 (Electronic Copy – CD Dated 5/13/09)	Yes	By Letter Dated: 5/14/09

Investigation Data

Geotechnical Inventory Reports (Hard Copy - Dated 3/12/09; Electronic Copy - CD Dated 4/1/09) <ul style="list-style-type: none"> • Pavement Sketch (7 pages) • Dynamic Cone Penetrometer Data for Pavement and Median Investigation (55 pages) • Quality and Moisture Results for Pavement Investigation (29 pages) • Quality, CBR and Lime Results for Bulk Samples (17 pages) • Shelby Tube Results and Unconfined Compression Tests Results (45 pages) • Quality Results and Boring Logs for Median Planters (15 pages) • Subsurface Investigation Report for the Dual Bridges on I-40 over Wade Avenue (Signed and Sealed 9-10-08) • Subsurface Investigation Report for the Dual Bridges on I-40 over US 1 / US 64 (Signed and Sealed 9-12-08) 	Yes	By Letter Dated: 4/2/09
Pavement Cores between Station 21+00 and Station 45+00 eastbound lane (Hard Copy - No date)	Yes	By Letter Dated: 4/2/09

I-4744 Material Available and Supplied Checklist 6/3/2009	Will it be Available?	Date and Method of Delivery to Firms
Fiber Conduit Depth Information per e-mail titled: "RE: Follow up from Friday's meeting on I-4744" (Hard Copy - Dated 3/27/09)	Yes	By Letter Dated: 4/2/09
I-4744 Cone Penetrometer Data Code Sheets - Cores taken in proximity to Harrison Avenue (Electronic Copy – CD Dated 5/13/09)	Yes	By Letter Dated: 5/14/09

Details

Guardrail at Median Sign Support (Hard Copy - No Date)	Yes	By Letter Dated: 4/2/09
Guardrail Detail – 7-foot post (Electronic Copy –CD Dated 5/13/09)	Yes	By Letter Dated: 5/14/09

Generic Guidelines, Procedures, and Details

Design - Build Submittal Guidelines	Yes	http://www.ncdot.org/doh/preconstruct/altern/design_build/SubmittalGuidelines080408.pdf
NCDOT - FHWA Agreement for Oversight of the Design and Construction Phases of Federally Funded Projects	Yes	http://www.ncdot.org/doh/preconstruct/altern/design_build/RoadwayGuidelines.pdf
Design Exceptions Guidelines	Yes	http://www.ncdot.gov/doh/preconstruct/altern/value/manuals/ppm/ppm5/ppm5-5.pdf
FEMA No Rise / No Impact Certification Guidelines	Yes	http://www.fema.gov/plan/prevent/floodplain/nfipkeywords/no_rise.shtm
GeoEnvironmental Guidelines	Yes	http://www.ncdot.org/doh/preconstruct/highway/geotech/
Policy and Procedures for Utilities on Highway R/W	Yes	http://www.ncdot.org/doh/preconstruct/altern/value/manuals/ppm/ppm20/ppm20-1.pdf
Draft Merger '01 Implementation Team / Merger 01 Process Information - Dated 4/25/05	Yes	http://www.ncdot.org/doh/preconstruct/pe/MERGER01/ProcessInfoDocument.PDF
List of PreQualified Geotechnical Engineering Firms	Yes	https://apps.dot.state.nc.us/vendor/directory/
List of PreQualified R/W Acquisition Firms	Yes	https://apps.dot.state.nc.us/vendor/directory/
List of Sign Suppliers and Fabricators	Yes	http://www.ncdot.org/doh/preconstruct/traffic/congestion/Sign/qpl/qpl.html
ITS Users Guide	Yes	http://www.ncdot.org/doh/preconstruct/traffic/ITSS/ws/manual.html
Sample Set of Erosion Control Plans and Standard Details	Yes	Upon request
Signing Detail Sheets	Yes	http://www.ncdot.gov/doh/preconstruct/traffic/congestion/sign/
Wetland Reforestation Detail	Yes	http://www.ncdot.gov/doh/preconstruct/altern/value/manuals/ppm/ch21list.pdf