

U-3412A Project Synopsis

Project Description and Purpose

- The Design-Build Project, U-3412A, is the extension of Martin Luther King, Jr. Boulevard (SR 1223) on new location from Lancaster Avenue (NC 200) to Goldmine Road (SR 1162) in Union County. The total project length is approximately 3 miles. A two-lane roadway on multi-lane right of way is proposed. It is anticipated that approximately 200 feet of right of way will be required to accommodate this facility.
- The primary purpose of this project is to reduce through and truck traffic and improve safety in the downtown area of Monroe, and facilitate travel on the west side of Monroe.

Planning

- An Environmental Assessment (EA) was approved on February 1, 2005 and a Finding of No Significant Impact (FONSI) was approved on August 17, 2006. The Design-Build Team shall adhere to all commitments stated in the environmental documents. Copies of these documents will be made available to the short-listed Design-Build Teams and / or posted on the NCDOT Design-Build web page.
- The Environmental Documents were originally prepared for U-3412A and U-3412B. The designation of U-3412A herein refers to both U-3412A and U-3412B as shown on the Public Hearing Map.
- TIP Project U-3412A is following the Merger 01 Process. Related correspondence resulting from the merger team meetings will be made available to the short-listed Design-Build Teams.
- As detailed on the Public Hearing Map, Alternative 1 was selected as the Least Environmentally Damaging and Practical Alternative (LEDPA) through the NEPA / Merger Team Process on December 8, 2005.

Public Involvement Scope of Work

- During the project's construction, the Design-Build Team shall coordinate with the Division 10 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

Roadway Scope of Work

- Martin Luther King, Jr. Blvd. shall be designed and widened to a two-lane facility that meets a 50-mph design speed for a rolling rural major collector.
- Both the southern and northern project termini shall transition to the existing two-lane paved shoulder typical sections.
- The Design-Build Team shall design and construct -Y- Lines and cul-de-sacs, providing access, widening and improvements as indicated on the Public Hearing Map and Preliminary Plans provided by the Department.

- The anticipated at-grade intersections along the project (from South to North) are:
 - MLK, Jr. Blvd. and NC 200 (Lancaster Highway)
 - MLK, Jr. Blvd. and Corinth Church Road
 - MLK, Jr. Blvd. at NC 75 Access Ramp
 - NC 75 at MLK, Jr. Blvd. Access Ramp
 - MLK, Jr. Blvd. and NC 84 (Weddington Road)
 - MKL. Jr. Blvd. and Goldmine Road

Structure Scope of Work

- The Design-Build Team shall be responsible for the design and construction of all structures necessary to complete the project. The anticipated structures along this project (from South to North) are:
 - Reinforced Concrete Box Culverts on unnamed tributary just south of Skywatch Lane.
 - Bridge on -L1- over NC 75.
 - Bridge on -L1- over CSX Railroad.
 - Bridge on -L1- over wetlands and Bearskin creek just south of Goldmine Road.
 - Structure on Dry Fork Creek just south of Goldmine Road.
 - Remove and dispose of the existing bridge at Dry Fork Creek on Goldmine Road to the west of MLK Jr. Blvd. and replace with Reinforced Concrete Box Culverts.

Railroad Coordination Scope of Work

- The Design-Build Team shall make the necessary arrangements with the Railroad for the installation of an overhead bridge design, temporary construction crossing, removal of temporary construction crossing after completion of project, shoring plans, encroachment agreements, and railroad force account estimates and agreements.
- The Design-Build Team shall not commence any work on the Railroad right of way until all agreements have been executed, insurance acquired and approved, and all construction plans have been approved by the Railroad. The Design-Build Team shall make the necessary arrangements with the Railroad that are required to protect against property damage that may result in loss of service, expense, or loss of life.

Hydraulic Scope of Work

- The Design-Build Team shall be responsible for all storm drainage design and construction.
- The Design-Build Team shall ensure FEMA compliance by acquiring a CLOMR and LOMR for the revised regulated stream crossings.
- The Design-Build Team shall be responsible for all bridge survey reports and culvert survey reports.
- The Design-Build Team shall develop a State Stormwater Management Plan.

Geotechnical Scope of Work

- Roadway and structure subsurface investigations will be provided to the short-listed Design-Build Teams. The Design-Build Team will be responsible for any additional geotechnical investigations.
- The Design-Build Team shall be responsible for all recommendations, as well as supplemental structural and roadway investigations.
- The Design-Build Team shall be responsible for the design and construction of all foundations, embankments, slopes, retaining walls and temporary structures.

Geoenvironmental Scope of Work

- Three known underground storage tank (UST) facilities have been discovered on the project and have the potential to be contaminated. The NCDOT will provide Preliminary Site Assessment (PSA) Reports and geoenvironmental right of way recommendations on these sites to the short-listed teams.
- The Design-Build Team and NCDOT responsibilities for geoenvironmental remediations will be outlined in the RFP.

Environmental Scope of Work

- The Design-Build Team shall be responsible for preparing all documents necessary for the Department to obtain the environmental permits for this project. Permits will be needed for the following: US Army Corps of Engineers Section 404 Individual Permit, the NC Department of Natural Resources and Division of Water Quality (DWQ) Section 401 Water Quality Certification.
- Onsite mitigation requirements for the Design-Build Team will be determined before the release of the Final RFP.

Erosion Control Scope of Work

- All erosion control designs and implementation shall be the responsibility of the Design-Build Team.
- The Design-Build Team shall have an erosion control inspector on the project at all times during construction.

Traffic Control and Pavement Marking Scope of Work

- The Design-Build Team shall be responsible for developing the Traffic Control and Pavement Marking Plans.
- A list of parameters, such as lane closures, time restrictions and general guidelines will be provided in the RFP.

Pavement Design Scope of Work

- Final asphalt pavement designs will be provided to all short-listed teams.
- The Design-Build Team shall be responsible for the design of all temporary pavements and for the evaluation of existing shoulders and roadways regarding their suitability for carrying traffic during construction, if necessary.

Signing Scope of Work

- The design and installation of roadway signs shall be the responsibility of the Design-Build Team.

Signal Scope of Work

- The design and installation of traffic signals and associated equipment shall be the Design-Build Team's responsibility.

Right of Way Acquisition Scope of Work

- The Design-Build Team shall be responsible for all right of way and easement acquisitions required by the proposed design and/or construction.
- The right of way purchased by the Design-Build Team shall be of sufficient width to provide for future widening of the facility to a 4-lane divided facility with a 23' median.

Location and Surveys Scope of Work

- Electronic surveys are completed and will be provided to the short-listed teams. Supplemental surveys shall be the responsibility of the Design-Build Team. Known existing utilities have been located and will be included with the survey data.
- All supplemental SUE work shall be the responsibility of the Design-Build Team.
- All structure surveys shall be the responsibility of the Design-Build Team.

R/W Utilities, Conflicts and/or Construction Scope of Work

- The Design-Build Team shall be responsible for all utility conflicts / relocations and utility construction plans. Coordination shall include any necessary utility agreements when applicable.
- The Design-Build Team shall be responsible for coordinating the construction / relocation of private utilities with the appropriate owners.

Construction Engineering Inspection (CEI) Scope of Work

- The Department will be responsible for CEI work.

Preliminary Estimate

- The latest Preliminary Estimate for this project is \$24.9 Million as of April 10, 2007.