

December 2009 CTB Meeting

C47

0011-080-108, C501, B602

Roanoke County

The purpose of this project is to provide a safe efficient highway improvement to this area that handles the existing and future traffic demands in this mixed development corridor. Route 11/460 is a major highway serving needs across the entire Commonwealth of Virginia. Current daily traffic for 2006 is approximately 20,700 vehicles per day, and this traffic count is expected to increase to 34,800 vehicles per day by the year 2031. The increase in traffic and the potential for additional growth along this corridor have necessitated the need for improving Route 11/460. This project was added to VDOT's Six-Year Improvement Plan in July 1997.

This section of Route 11/460 is a developing corridor with a mix of long-term commercial/industrial uses and newer commercial/industrial developments along with some residential development. Approximately 82 parcels of land (primarily zoned business or commercial) were affected by the acquisition of right of way and/or easements on this project including one school and several churches. This Route 11/460 project is proposed to be built as a four lane divided roadway with a continuous 12 foot paved shoulder and a raised median. This design will provide substantial additional vehicle capacity, and the median provides a pedestrian refuge area. Additionally, it will allow for better control of drainage, provision of right and left turn lanes into adjoining properties without unduly interrupting mainline traffic flow, and emergency vehicle access. Median crossovers are proposed at the major street intersections. Traffic volumes and commercial vehicle access were considered and business owners and residents were contacted to help determine where to locate additional crossovers and where to provide service roads along the project. There are no vehicle height or weight restrictions on this project.

Pedestrian and bike accommodations were considered in the development of this project. Some sidewalk will be constructed to tie existing sidewalk and pedestrian routes around the area of Ft. Lewis Elementary school, and a space for future sidewalk has been provided through the rest of the project along with proposed curb cut ramps in accordance with the latest standards. The paved shoulder adjacent to the travel lanes provides an area for bicycles while also providing an area for emergency vehicles. The existing traffic signals at Alleghany Drive and Daugherty Drive will be replaced with new traffic signals. These are the only two intersections where traffic signals are proposed to be constructed as part of this project.

It is anticipated that impacts to the residents and users of the roadway during construction will involve reducing the continuous left turn lane throughout many areas of the project with the exception of the major intersections or where traffic demands warrant. Two lanes of traffic (one through lane in each direction) will be maintained throughout the project duration with the exception of occasional temporary night lane closures.

Fixed completion October 25, 2012

BID RESULTS FOR THE CTB

NOVEMBER 25, 2009

Order No.	UPC No. Project No.	Location and Work Type	RECOMMENDATION	Contractor	Number of Bids	Bid Amount	CN From 6 Year Program
<u>PRIMARY</u>							
C47	17698 (NF0)0011-080-108, C501, B602	FROM: 0.055 MI. E. OF W.C.L. SALEM TO: 0.100 MI. W. OF ROUTE 830 ROANOKE CO.	AWARD	GENERAL EXCAVATION, INC. WARRENTON, VA	6	\$22,332,458.57	\$33,055,000.00 (\$25,150,120.00)
	STP-080-2(018) Construction Funds	WIDEN TO FOUR LANES WITH CURB & GUTTER & RAISED MEDIAN					

Purpose and Need: This project widens a two lane roadway to a four lane divided highway with turn lanes. The project adds 4.38 lane miles to the system. The project constructs a 44 foot long bridge over Little Bear Rock Branch. The additional lanes are needed because this section of Route 11/460 is a developing corridor with a mix of long-term commercial/industrial uses and newer commercial/industrial developments. Some sidewalk will be constructed to tie existing sidewalk and pedestrian routes around Ft. Lewis Elementary school. Where no sidewalk exists, paved shoulders are to be constructed adjacent to the travel lanes to accommodate pedestrian and bikes. The construction engineering cost are \$5,244,467.00

1 Recommended for Award: \$22,332,458.57

(\$) = Construction Cost Only