

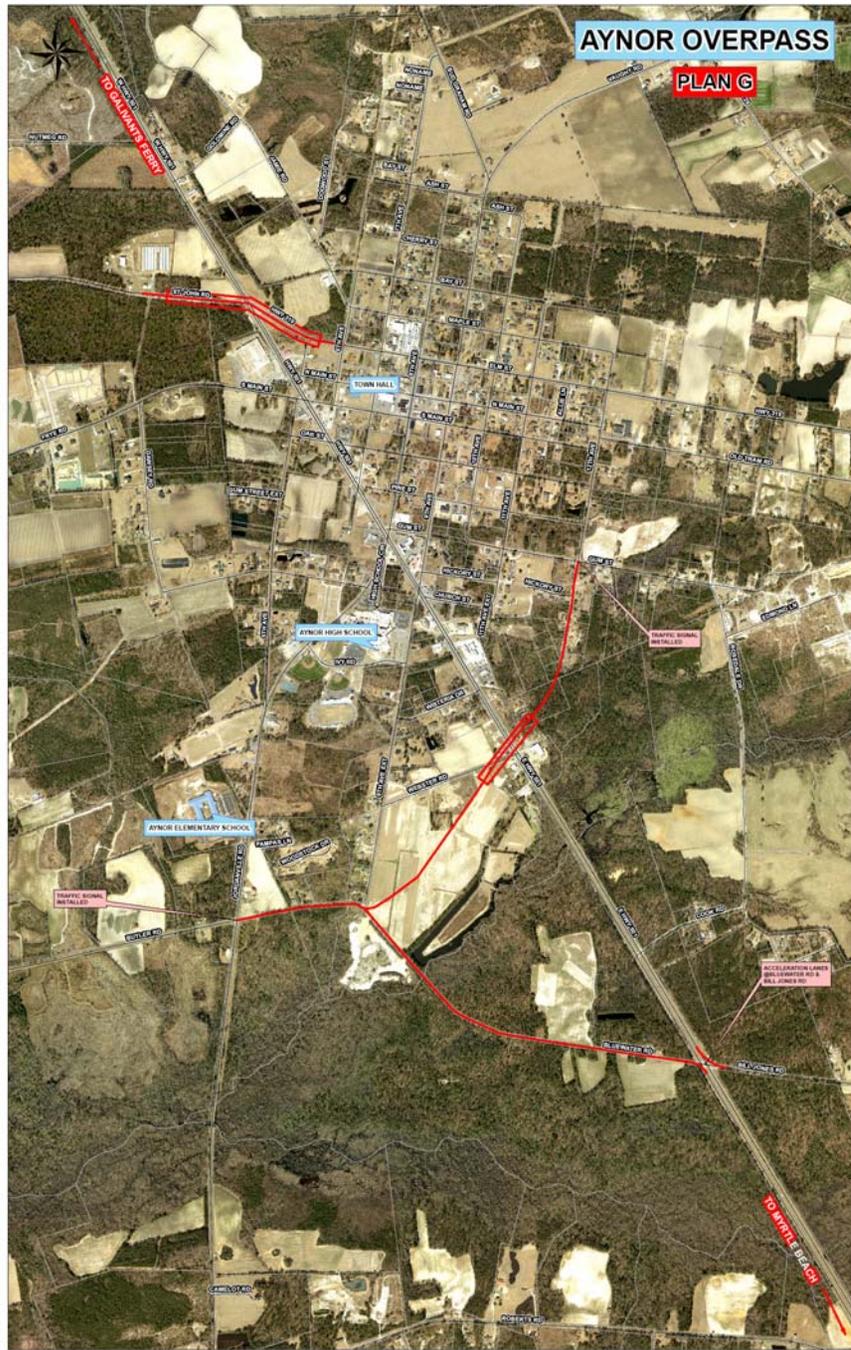
PROPOSED AYNOR OVERPASS

ALTERNATIVE LOCATION CONCEPT REVIEW

PREPARED FOR
THE DISTRICT 11 ADHOC ROAD COMMITTEE
July 30, 2007

AYNOR OVERPASS

PLAN G





ST JOHN RD

HWY 601

HWY 601

HWY 601

JAMIE RD

MAPLE ST

BAY ST

ELM ST

5TH AVE

N MAIN ST

6TH AVE

TOWN HALL

S MAIN ST

S MAIN ST

7TH AVE

FRYE RD

DAWSEY RD

5TH AVE

OAK ST

8TH AVE

SC 319/St. Johns Road Alternate

- Providing access to US 501 and SC 319 without the installation of ramps and/or loops access will be difficult.
- Realignment of SC 319 and St. Johns Road to remove the skew will be necessary. This will move the overpass location closer to an existing industrial building, which may result in impacts.
- Due to the elevation of the proposed overpass over US 501, the tie-down point for the overpass is likely somewhere between 6th and 7th Avenue. This could potentially cause elevation and access problems in this area, leading to increased damages.

SC 319/St. Johns Road Alternate

- Any tapering of the necessary roadway width will extend the tie-in length needed and could impact properties at 7th Avenue and beyond.
- The existing stoplight at US 501 and Main St. will be obstructed by the overpass, leading to stopping sight distance problems for traffic on US 501, particularly with the existing posted speed limit of 45 mph for US 501 in this area.



AYNOR HIGH SCHOOL

AYNOR ELEMENTARY SCHOOL

TRAFFIC SIGNAL INSTALLED

TRAFFIC SIGNAL INSTALLED

ACCELERATION LANES @ BLUEWATER RD & BILL JONES RD

Tanney Road Extension Alternate

- The access to US 501 at Webster Road will be eliminated. Webster Road would likely be cul-de-saced.
- Impacts to properties at the existing US 501/Webster Road intersection.
- Increased traffic on Tanney Road and 12th Avenue will possibly alter the functionality of these roads and require improvements/upgrades to handle the increased traffic volume.
- Because this alternate is crossing over US 501 on a new location alignment, there is more flexibility and freedom in the design and the geometry of the alignment.

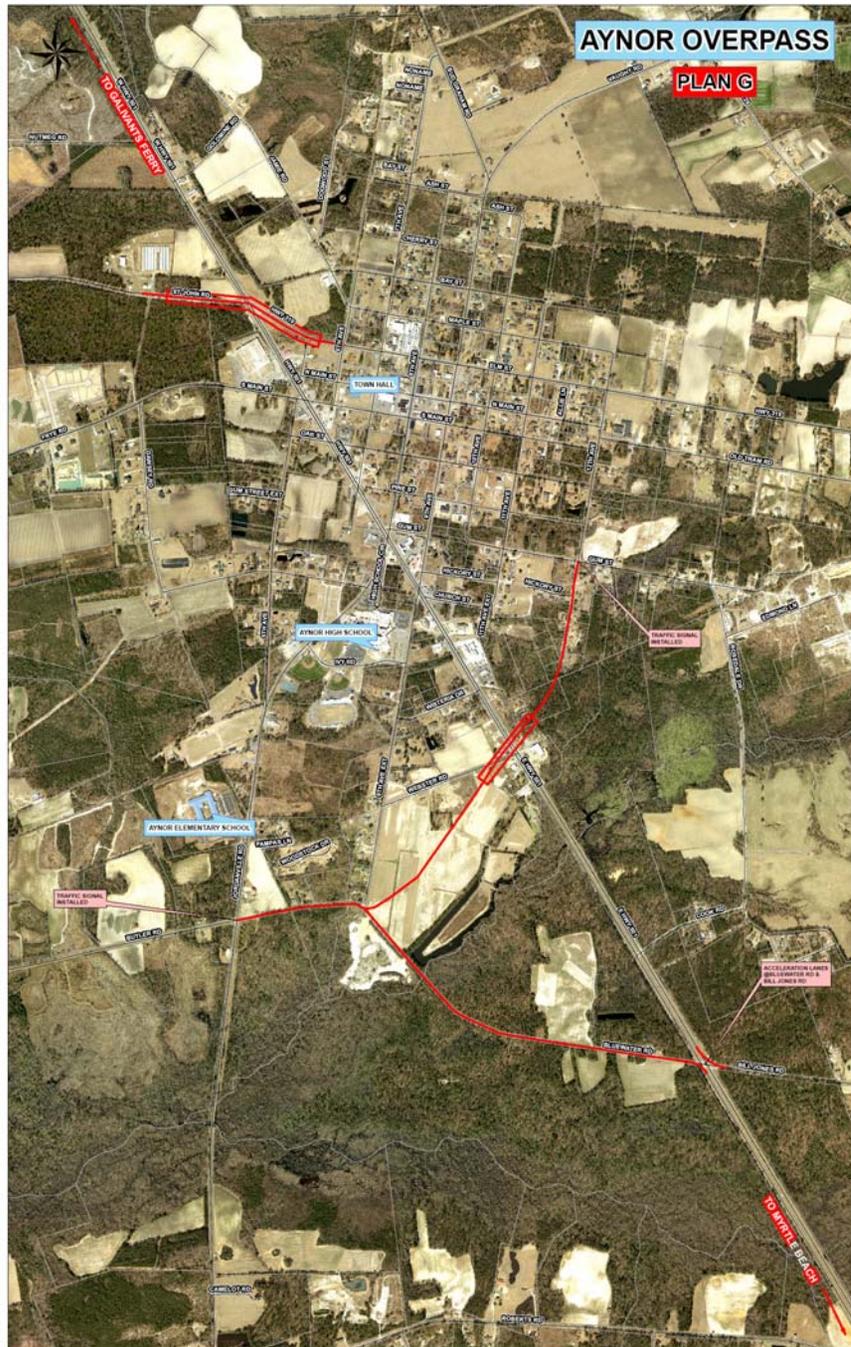


Tanney Road Extension Alternate

- As currently shown, there is the potential for impacts to adjacent commercial building.
- Due to its proximity, this alignment will provide better and more direct access to the elementary and high school and should help improve bus traffic and flow through the area.
- Improved access to Aynor/Galivants Ferry Post office via Church Street.
- Sidewalks and street lighting could be added to Tanney Road, which will improve visibility and allow for better pedestrian access to the Boy's Club.

AYNOR OVERPASS

PLAN G



General Comments (Both options)

- No readily identifiable significant environmental impacts with either alternate.
- No firm cost estimates and no cost comparisons can be made at this time.
- Based on 2006 traffic counts, US 501 carries an average daily volume of traffic of approximately 22,200 vehicles.

General Comments (Both options)

- SCDOT's consultant will perform detailed engineering and environmental studies as well as cost estimates.
- The time frame to complete the engineering, environmental studies, and right-of-way acquisition once SCDOT has a consultant firm under contract is approximately 24 to 30 months.
- The Tanney Road (or eastern) alternate is not in the City Limits of Aynor and therefore no municipal agreement would be needed.
- The bridge will be designed to accommodate four lanes of traffic.