



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.
GOVERNOR

DIVISION OF HIGHWAYS
P.O. BOX 25201, RALEIGH, N.C. 27611-5201

GARLAND B. GARRETT JR.
SECRETARY

February 11, 1997

MEMORANDUM TO: Whitmel H. Webb, III, P. E.
Manager Program Development Branch

FROM: David Modlin, P. E.
Feasibility Studies Unit Head

SUBJECT: Proposed Improvements,
From NC 97 to Fountain Industrial Park,
Rocky Mount,
Edgecombe County,
FS 9702

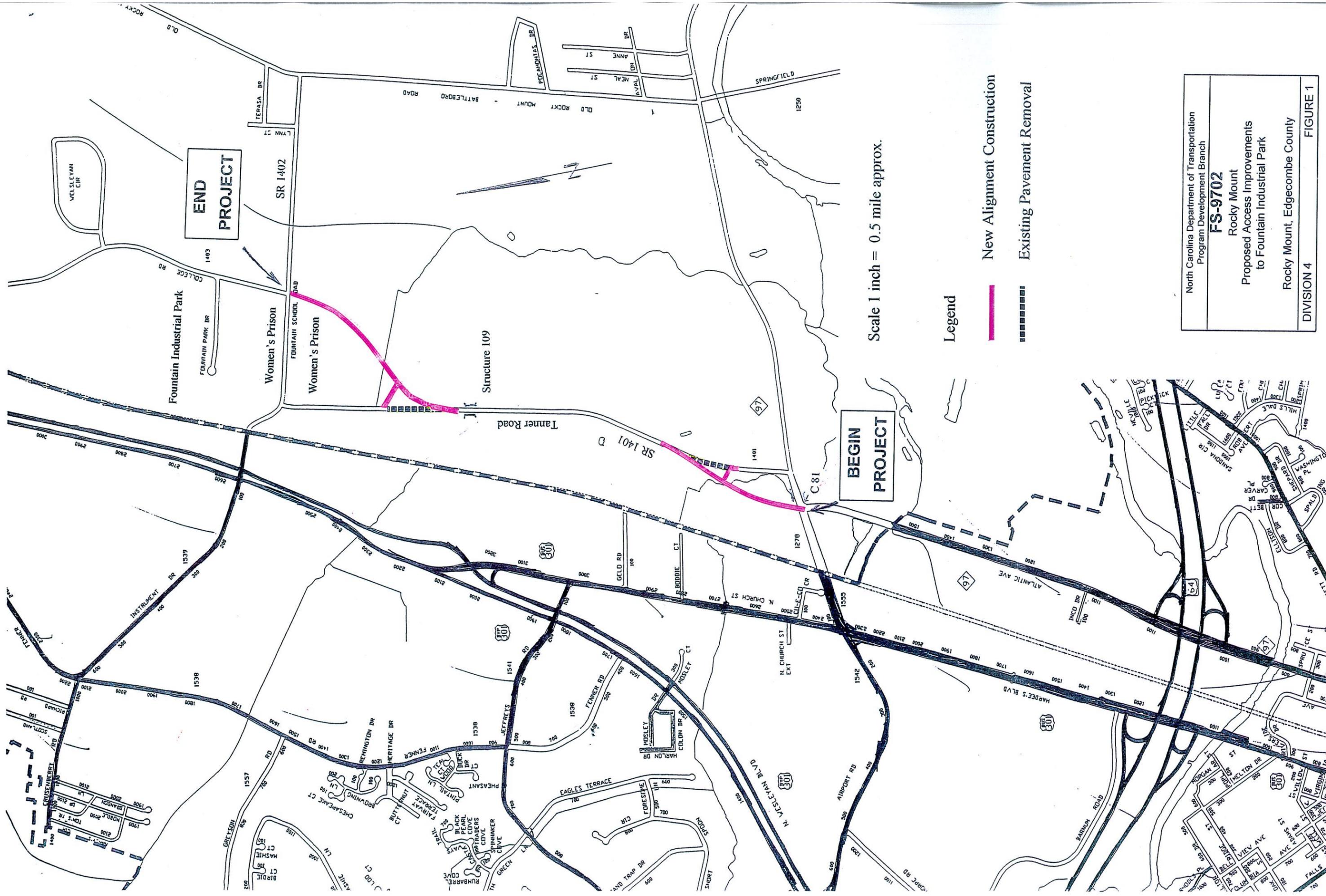
The Feasibility Studies Unit was asked to investigate potential improvements for improving access to Fountain Industrial Park in Rocky Mount. The emphasis was on utilizing NC 97 north from US 64, improving the intersection of NC 97 and SR 1401 (Tanner Road) and providing a "bypass of the women's prison" from Tanner Road to SR 1403 (College Road) and the industrial park (See Figure 1). The total length of new construction is approximately 1.2 miles (1.9 km), a n existing section of Tanner Road will be utilized..

The studied cross section was 24 feet (7.3 m) of pavement with 2-foot (0.6-m) paved shoulders on 100 feet (30.5 m) right-of-way for the new alignment sections. The section of SR 1401 (Tanner Road) between the southern tie and Structure 109 is not expected to require any additional work at this time. The "bypass" will begin on new alignment just north of Structure 109 and tie to SR 1403 at its existing intersection with SR 1402 (Fountain School Road).

Structure 109 is 3 lines of 137 x 87 CMP arch, 60 feet (18.3 m) along the centerline of the pipe. The clear roadway width is 23 feet (7.0 m). The sufficiency rating is 99.6 out of possible 100. Structure C81 is a double 10 x 10 RCBC, 48 feet (14.6 m) along the centerline of the culvert. A similar structure was estimated on the new alignment section immediately north of NC 97.

The estimated cost of the studied improvements is \$ 2,100,000, (\$ 1,600,000 for construction and \$ 500,000 for right-of-way)





Scale 1 inch = 0.5 mile approx.

Legend

- New Alignment Construction
- Existing Pavement Removal

North Carolina Department of Transportation Program Development Branch
FS-9702
Rocky Mount Proposed Access Improvements to Fountain Industrial Park
Rocky Mount, Edgecombe County
DIVISION 4
FIGURE 1