

Mts-Streets-Express  
Way

# Scientists OK Routing Of I-40 Near St. Jude

Care During Construction  
Urged By Air Pollution,  
Vibration Experts  
By WILLIAM BENNETT

From The Commercial Appeal  
Nashville Bureau

NASHVILLE, July 23.—Air pollution and vibration experts have generally approved the location of Interstate Highway 40, the east-west expressway, near St. Jude Children's Research Hospital in Memphis.

The experts urged care during highway construction and called for further study of long-term effects of exhaust fumes.

In reports on their studies to Highway Commissioner David Pack, the experts concluded: Highway traffic will be noticed in the normal research activity at the hospital.

Exceptionally heavy trucks will be heard in two of St. Jude's wings but should not interfere with normal research.

Unless care is used in planning highway construction so vibrations are not conducted to the hospital through such solid structures as sidewalks, vibration will interfere with some phases of research.

Proximity of the highway and direction of prevailing winds will cause increased fumes and smoke in the air to reach the hospital's ventilating system, perhaps necessitating modifications of the system.

Additional study is needed on the problem of long-range effects of carbon monoxide and other exhaust matter on laboratory animals.

The studies were made by Dr. W. R. Baker Jr., professor of engineering at Vanderbilt University, who conducted the vibration and noise inquiry, and Dr. Donald Dean Adrian of Nashville, who investigated air pollution and anticipated carbon monoxide concentrations.

I-40 has been tentatively routed parallel to Jackson, North Parkway and Summer, passing on the south side of St. Jude with an interchange southeast of the hospital.

Hospital personnel have expressed concern that the road would have an undesirable effect on research operations.

James Graves, Mr. Pack's administrative assistant, said Friday he believes traffic vibration would not adversely affect St. Jude and air pollution probably would not hurt the hospital's operation.

He said no final decision on keeping the proposed route will be made until department and hospital officials discuss the reports, perhaps next week.

In his report, Dr. Adrian said wind patterns indicate that during most of the year the prevailing wind direction will be across the route of the highway, then to St. Jude.

Dr. Baker said in his report if certain details are stressed during highway construction, traffic "will not interfere in any physical manner with research operations of this facility."

Among the details he referred to is breaking up of any solid underground structure and demolition of unused sewer near St. Jude.

Vibrations from equipment at the hospital already are at a considerable level, Dr. Baker said.

Edward F. Barry, attorney and chairman of the hospital's board of governors, said he had not yet read the report and would not comment until he did. He said he plans to attend a meeting with Commissioner Pack and hospital representatives next week to discuss the report's contents.

I-40  
Interchange

Of course he says not!

\*"Experts"?  
Who! No names given!  
yes - here

X Vanderbilt study

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Is there a report in this (Aug. - \$5?)