

US, TENN., WEDNESDAY MORNING, OCTOBER 27, 1971

## Expert Says Park Route Pollution Won't Top Federal Safety Limits

By MICHAEL LOLLAR

tion expert said in federal by 1972. court yesterday exhaust pollusible" conditions.

professor of engineering at the for the park freeway using the rates of speed emit less carbon ditions possible.

said, would be when the wind emit less carbon monoxide is blowing either to the north than those under stop-and go or to the south at only one mile driving conditions." an hour during the peak traffic periods.

from Stanford University with park. a PhD in civil engineering in 1964, after which he taught sanitary engineering at Vanderbilt University in Nashville.

He listed several reasons for tion.'

J. Alan Hanover, special coun- be exhausted at one point rathsel for the state Highway De- er than say over a 600-foot water wells are located along

A Massachusetts air pollu- control devices on all new cars ing the pollutants less chance

Eventually, he said, the pol- through and outside the park. tion from the proposed Over- lution control devices should ton Park expressway would reduce exhaust pollution by 20 for the Citizens to Preserve not exceed federal safety lim-its even under the "worst pos-discarded, the level of emis-tiffs, asked him, however, if it Dr. Donald Dean Adrian, a crease."

He said the expressway, exhaust tower. University of Massachusetts, which allows faster speeds testified for the Tennessee than on existing streets, will Highway Department that he reduce pollution in itself. "In some filter cigarets) would has calculated pollution levels general, cars moving at high worst traffic and weather con- monoxide than slow moving some other type of filter might vehicles, and vehicles moving The "worst conditions" he at a constant rate of speed combusion process (burn the

Dr. Adrian also attacked the possible use of a tunnel to they are actually in use.' Dr. Adrian was graduated house the interstate inside the

> the possible use of a 2,400-foot using such tunnel filters. cut and cover tunnel ventilated with four exhaust fans built 10 feet above ground level.

his conclusions, ranging from enforcement of new pollution a situation like that," Dr. Ad- the state Highway Depart-"What you would be doing in control laws to assumptions rian said, "would be concen- ment. He argued it would not based on the "biology of pollu- trating the pollutants in the be feasible to build Interstate area of each exhaust tower. In Under direct examination by each case, the pollution would right-of-way north of the park.

partment, he said federal air area." pollution control acts passed in "The wind would pick up a 1968 require automobile manu- much bigger load of pollutants,

facturers to install pollution and carry them downwind givto mix with air as they moved

> John W. Vardaman, attorney would not be possible to use filtering devices inside each

> Dr. Adrian said an "activatremove some pollutants, particularly solid material. "And, be used to help carry out the wastes)."

> But, he said, "I'm somewhat dubious about how such devices would perform when

He told United States Dist. Judge Bailey Brown he has The plaintiffs have proposed never actually heard of anyone

> Later, Peter Schuyler, director of the water division of the Memphis Light, Gas & Water Division, testified briefly for 40 along the L&N Railroad

Mr. Schuyler said 10 LG&W the railroad tracks and that water from those wells is pumped into the Parkway pumping station at North Parkway and Dunlap.