

RELEASED PER P.L-102-526(JFK ACT)
NARA ZSC DATE 3/19/10

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File - Windshield of
Pres. Limo

March 26, 1964

By Courier Service

Honorable James J. Hawley
Chief
U. S. Secret Service
Department of the Treasury
Washington, D. C.

- 1 - Mr. Belmont
- 1 - Mr. Rosen
- 1 - Mr. Sullivan
- 1 - Mr. Malley
- 1 - Mr. Conrad

Wanted

Dear Jim:

The President's Commission requested that the FBI Laboratory conduct an examination of the windshield from the Presidential limousine to determine whether cracks in the windshield were caused by an object striking the glass from in front of the vehicle or behind the vehicle.

On March 26, 1964, the windshield was obtained from the White House Garage and the requested examination was conducted.

The windshield is laminated safety glass which consists of two pieces of glass bonded together by a plastic interlayer.

The windshield has been struck by an object at the point at which the cracks in the glass join. This point is within an area circled in red on the windshield. The cracks which radiate from this point are present only in the outer layer of glass. Minute fragments of glass are missing from the outside surface of the outer layer of glass at the confluence of the cracks. In addition, shrapnel which were previously obtained from the inside surface of the windshield in the immediate area of the point of impact were previously identified as lead.

When laminated glass is struck, the piece of glass opposite the side of impact is put into a state of tension

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NOTE: The results of the above examinations were furnished to the President's Commission by letter 3/23/64. A separate Laboratory report concerning these examinations is being furnished to the

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which results in cracks in the glass opposite the side of impact. These cracks radiate from the point of impact.

It was therefore concluded that the cracks resulted from the windshield having been struck from the inside; that is, from the rear of the vehicle.

The results of the above examinations have been furnished to the President's Commission.

On March 25, 1964, the windshield was returned to the White House Garage.

Sincerely yours,