

SHOOTING SEQUENCE AS LOCATED ON THE SCALE MODEL

The approximate location of the shooting sequence was determined from an interpretation of the ZAPRUDER movie and from observations made at the site regarding the location of the Stemmons highway sign which was obscuring ZAPRUDER'S line of view while he was photographing the approaching motorcade. The movie also includes details of the surrounding area.

SHOT ONE:

It occurred when the Presidential car was unobserved by ZAPRUDER for approximately twenty feet while moving behind a road sign. Shot one was approximately fixed on the model at a point directly behind the center of this sign. The movie reveals that prior to reaching this sign the President was seen waving and moments later after emerging from behind the sign he was slumped forward. The position on the Parkway where shot one occurred as approximated by the FBI and the Secret Service varies about one car length (13 feet) or about one-half second at 15 mph. The FBI's estimate places the President approximately one-half second nearer to the assassin when shot one was fired.

SHOT TWO:

It occurred approximately at the time Governor Connally was turning his head to the right rear. This point was established through the interpretation of the relative location of trees, shrubs, street lights, curbing, etc. appearing in the movie. The position on the Parkway approximated by the FBI and the Secret Service varies about 1.5 car lengths (22 feet) or about one second at 15 mph. The FBI's estimate places the Governor approximately one second further away from the assassin when shot two was fired.

SHOT THREE:

It occurred approximately at the time a circle of light resembling an explosive blast encircles the President's head. The position on the Parkway approximated by the FBI and the Secret Service varies about 2/3 car length (14 feet) or about 2/3 second at 15 mph. The FBI's estimate places the President approximately 2/3 second nearer to the assassin when shot three was fired.

44-24016

CLOSURE

COMMENTS:

The FBI's analysis of the shooting sequence was determined independently of a similar study made of the movie by the Secret Service. "WHERE ON THE PARKWAY WAS THE PRESIDENTIAL CAR EXPOSED TO GUN FIRE?" The answer to this question is subject to varying factors such as the speed of the vehicle, the firing position of the assassin and the position of ZAPRUDER. It is a matter of accepting the fact that there will be as many versions as there are analysis made of the shooting sequence. The FBI bases its approximations on an interpretation of the ZAPRUDER movie re-enacted on a scale model. The Secret Service has also used the movie to approximate the shooting sequence; eye-witnesses may vary in locating the car at the time of the shooting; members of the Commission may also have differing opinions regarding this matter.

The ZAPRUDER movie was utilized by the FBI as the best medium for approximating the points on the Parkway where the shooting occurred.