

Recorded
8-7-64 emj.

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Work Sheet

LAB FILE

Re: LUT HARVEY OSWALD, aka
IS - R - CUBA

File # 105-82555-4668X
Lab. # D-455927 HO

PC 81827 CF, BX

Examination requested by: President's Commission (7-7-64)

Examination requested: ~~Photographic~~ ^{Spectrographic} ~~Microscopic~~
Firearms

Date received: 8-6-64

Result of Examination:

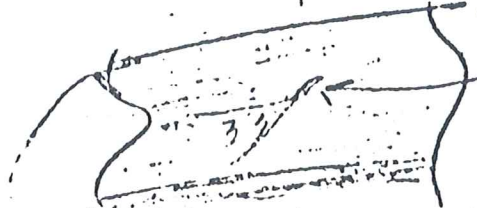
Examination by: Shaneyfelt

Use C# in cones.

C321

Q609 Piece of curbing

Specimens submitted for examination



8/10 R. Franzen
31° from axis
Barely discernibly
smoothing off - no
groove and possibly
sl. d. dep. No Cu part.
from D. not positive
bullet.

Request for location and examination of mark on curbing at assassination site

Curb - Minor disturbance of L to edge.

If lead-containing present it could
have originated from a lead bullet
jacketed bullet - such as C1, 2, 3, a automobile
wheel balancing weight or some other source
of lead. The absence of copper-alloy bullet jacket
removes possibility that the mark was

made by an unjacketed lead
metal-jacketed bullet. Further the damage to the curbing
would have been much more extensive if a rifle
bullet had struck the curb without penetrating it.

D-455927HO
PC 81827 CF, BA

is working to locate the piece of curbing ^{was removed on 8-5-44 and} ~~removed~~ ^{to} trail of the FBI Lab.
designated ^{by the} 321. ^{by the} ~~laboratory~~ ^{laboratory}.

Small foreign metal smears were found ~~in~~ adhering to the curbing section at an area which bears a mark. These metal smears were ~~analyzed~~ spectrographically determined to be essentially lead with a trace of antimony. No copper was found.

The lead could have originated from a lead bullet, the lead core of a metal jacketed bullet ^{such as the type of bullet} ~~such as C7 or some other source~~ ^{loaded into 6.5 mm Mauser-Carcano cartridges} of leads or from some other source having the same composition.

The ~~total~~ absence of copper precludes the possibility that the mark on the curbing section was made by an unjacketed full-jacket military type full metal-jacketed bullet such as the bullet recovered ^{from} ~~at~~ ^{the} ~~the~~ ^{Drummond} ~~the~~ ^{Connell} stretcher ^(C1) ~~or~~ ^{the} bullet ~~jackets~~ ^{or} bullets represented by the jacket fragments, C2 and C3, found in the President's limousine. Further, the damage to the curbing would have been much more extensive if a rifle bullet had struck the curbing without first having struck some other object.

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Recorded
8-7-64 emj.

Laboratory Work Sheet

LAB FILE

Re: LUE HARVEY OSWALD, aka
19 - R - CUBA

File # 105-82555-4668X
Lab. # D-455927 HO
PC 81827 CF, B

Examination requested by: President's Commission (7-7-64)

Examination requested: ~~Photographic-Microscopic~~
Stereographic
Firearms

Date received: 8-6-64

Result of Examination:

Examination by: Shaneyfelt

9/10 R-Frazier

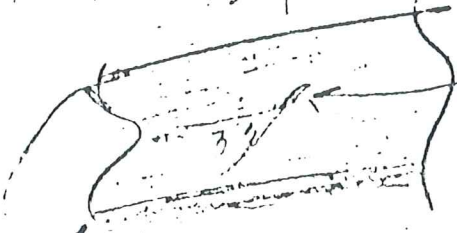
3rd handgun bullet

Use C# in Cones.

P321

Q609 Piece of curbing

Specimens submitted for examination



Basely discernibly
smoothing off - no
groove or rim
bul dep. No Cu part.
found - not positive
bullet.

Request for location and examination of mark on curbing at assassination site

Curb - Minor disturbance of L to edge
If lead - containing present it could
have originated from ^{a lead bullet} the core portion of a metal
jacketed bullet - such as C1, 2, 3, a automobile
wheel balancing weight or some other source
of lead. The absence of copper-alloy bullet jacket
residue presents the possibility that the mark was
made by an unjacketed bullet
2-FBI, Dallas (100-10461) Further the damage to the curbing
would have been made more extensive if a rifle
bullet struck the curb without penetrating ^{it}

D-455827110
PC 81827 CF, B1

in working box. The piece of curbing ^{was removed on 8-5-64 and trail at the FBI Lab.} designated ^{by the Lab} C 21. ~~by the FBI Laboratory.~~ has been

Small foreign metal smears were found ~~in~~ adhering to the curbing section at an area which bears a mark. These metal smears were ~~analyzed~~ spectrographically determined to be essentially lead with a trace of antimony. No copper was found.

The lead could have originated from a lead bullet, the lead core of a metal jacketed bullet ^{such as the type of bullet ~~recovered from the scene~~} ~~such as C7 or some other source~~ ^{loaded into 6.5 mm Mauser-Carcano cartridges} of this or from some other source having the same composition.

The ~~obvious~~ absence of copper precludes the possibility that the mark on the curbing section was made by an unjacketed full-jacket military type full metal-jacketed bullet such as the bullet recovered ^{from Governor Connally} ~~on the Connally~~ stretcher ^(C1) ~~or~~ the bullet ~~fragments~~ or bullets represented by the jacket fragments, C2 and C3, found in the Presidential limousine. Further, the damage to the curbing would have been much more extensive if a rifle bullet had struck the curbing without first having struck some other object.

FEDERAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE

Recorded
8-7-64 caj.

Laboratory Work Sheet

LAB FILE

Re: LEE HARVEY OSWALD, aka
IS - R - CUBA

File # 105-82555 - 4668 X
Lab. # D-455927 HO

Examination requested by: President's Commission (7-7-64)

Examination requested: ~~Photographic~~ ^{Spectrographic} ~~Microscopic~~ Firearms Date received: 8-6-64

Result of Examination: Examination by: Shane *[Signature]*

Mark on curb is 23' 4" from Triple underpass.
A direct shot from 6th floor window TSB D would
cross over pres in center of Elm St at about 15' elevation
& at Zapruder frame 410. 97 frames after 313 or
5.3 sec @ 1813 fps.

Specimens submitted for examination

Q609

Request for location and examination of mark on curbing at assassination site

at frame 410 Mrs K is back in car +
Hill is midway between bumper + pres.

Curbing removed - mark made by object
traveling in general direction away from TSB D.

[Faint handwritten notes]

8-11-64 / *[Signature]*

2-FBI, Dallas (100-10461)

84 AUG 27 1964

105-82555-4668X