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FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

1 - Mr. Ronay  
1 - Mr. Williams

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*Partial*

To: SAC, SAN ANTONIO

Date: January 10, 1991

FBI File No.

Lab No. 01121005 S YR YB

Reference: Communication dated November 11, 1990

Your No. 100A-SA-34564

Re: <sup>(2)</sup> TEXAS RESERVE MILITIA  
✓ FIRST TEXAS LIGHT INFANTRY,  
THE ORDER;  
DS/T  
OO: SAN ANTONIO

*Williams*  
*Room 3918*

Specimens received: Airtel dated November 14, 1990

For information of the San Antonio Division, the construction technique utilized in both IED's suggests that the individual who constructed the Q1 and Q2 IED's was a talented craftsman. Additionally, the U.S. Naval Explosive Technology Section, Indian Head, Maryland; advised that the devices present in Q1 and Q2 are not familiar as a Military Ordnance, either domestic or foreign.

100-488175-5

Enclosures (2) (2 Laboratory Reports)

2 JAN 16 1991

ADMINISTRATIVE PAGE

*DRW/dw (5)*  
*[Signature]*

MAIL ROOM

*[Signature]*

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HEREIN IS UNCLASSIFIED  
DATE 3-31-98 BY SP5/ldl  
#4031698

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WASHINGTON, D. C. 20535

1 - Mr. Ronay  
1 - Mr. Williams

*Partial*

To: SAC, SAN ANTONIO

Date: January 10, 1991

FBI File No. 100-488115-5

Lab No. 01121005 S YR YB

Reference: Communication dated November 11, 1990

Your No. 100A-SA-34564

Re: TEXAS RESERVE MILITIA  
FIRST TEXAS LIGHT INFANTRY,  
THE ORDER;  
DS/T  
OO: SAN ANTONIO

*Williams  
Room 3918*

Specimens received: Airtel dated November 14, 1990

Specimens:

- Q1 Pipe bomb fragments
- Q2 Pipe bomb

Result of examination:

BACKGROUND INFORMATION

Your office advised that the submitted specimens were recovered on a "practice range" utilized by the Texas Reserve Militia.

IMPROVISED EXPLOSIVE DEVICE

Present in specimen Q1 is an improvised explosive device (IED) consisting of a light weight pipe, wooden end plugs, a nonelectric fuse and a low explosive main charge.

Enclosures (2) (2 Laboratory reports)

Page 1

DRW/dw (5)

(over)

MAIL ROOM

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# 403,698

**INTELWIRE.com** Specimen Q2 contains a virtually identical device, however without an end plug and could have been utilized as an improvised mortar. A detailed description of the components which comprise the IED's is set forth hereafter:

#### IMPROVISED PIPE BOMB

Present in specimen Q1 are the exploded remains of a pipe bomb which utilized a thin walled (0.069") pipe. The origin of this pipe is not known to the Laboratory, however, it most closely resembles a low cost, chain link fence metal post. The pipe measures approximately 8" long and 1 1/4" in diameter.

One end of the pipe nipple utilizes a wooden end plug 1" long. The fused end of the pipe contains a wooden dowel that has been milled to fit partially inside the pipe. The ends of the dowel have been drilled concave, on both the interior and the exterior end; and a 3/16" hole has been drilled through the wooden dowel. The 3/16" hole contained a nonelectric, burning type fuse approximately 1 5/8" long. The manufacturer of this fuse is not known to the Laboratory.

The wooden dowels have been secured into each end of the pipe with four steel nails 3/8" long. These nails are fluted and resemble a "concrete brad".

Placed over the pipe ends and covering the wooden dowel is a copper end cap. The original use and manufacturer of this end cap is not known to the Laboratory.

Present on the pipe is a blue colored paint which is suitable for comparison purposes.

#### IMPROVISED MORTAR

Present in specimen Q2 is an IED similar to the specimen Q1 pipe bomb, however, the Q2 IED does not utilize a wooden dowel in the end opposite the fuzing system. This suggests that specimen Q2 could have been utilized as an improvised mortar. This device appears to have functioned.

#### Disposition of specimens:

The submitted specimens will be returned to your office following the completion of the explosive residue examination.