DUPLICATE ORIGINAL

INTERNATIONAL BOUNDARY AND WATER COMMISSION
UNITED STATES AND MEXICO

El Paso, Texas
July 24, 1987

JOINT REPORT OF THE PRINCIPAL ENGINEERS
CONCERNING THE LOCATION OF THE INTERNATIONAL BOUNDARY
ON THE NEW BRIDGE OVER THE RIO GRANDE BETWEEN
DEL RIO, TEXAS AND CIUDAD ACUNA, COAHUILA

To The Honorable Commissioners
International Boundary and Water Commission
United States and Mexico
El Paso, Texas, and Ciudad Juarez, Chihuahua

Sirs:

Pursuant to your instructions, we take pleasure in submitting for your consideration this Joint Report concerning the location of the international boundary at the site of the new bridge to be constructed over the Rio Grande between Del Rio, Texas, United States of America and Ciudad Acuna, Coahuila, Mexico.

In accordance with stipulations of Article II, paragraphs A and B, of the "Treaty to Resolve Pending Boundary Differences and Maintain the Rio Grande and Colorado River as the International Boundary" of November 23, 1970, we determined the location of the international boundary in the middle of the channel of the river occupied by the normal flow at the referenced site. The normal flow of 2,190 cubic feet per second (62 cubic meters per second) was determined as the average of flows passing this site during the period 1974 to 1984, except for flows greater than 5,300 cubic feet per second (150 cubic meters per second). Exhibit 1 demonstrates the cross-section of the channel of the Rio Grande at the site where the new Del Rio-Cd. Acuna bridge will be constructed, showing: 1) the water surface for the flow of 2,190 cubic feet per second (62 cubic meters per second); 2) the position of the proposed

bridge piers; and 3) the center of the channel corresponding to the normal flow.

In accordance with Article VII of the Treaty, the proper monumentation of the boundary line on the bridge, will require placement of two monuments exactly above the international boundary. The above due to the bridge's axis being skewed in relation to the international boundary. Both monuments will be located 8.37 feet (2.55 meters) from the center of Pier No. 6 towards the United States' approach.

We respectfully recommend the adoption of the location of the international boundary on the referenced bridge, as described herein, and that its monumentation be by two bronze plaques; their design and placement being the subject of another report.

We recommend also that the furnishing and installation of the plaques be provided by the owners of the new bridge, and that the works be performed under the supervision of the Commission.

Respectfully,

Jose S. Valdez
Principal Engineer
United States Section

J. Arturo Herrera Solis
Principal Engineer
Mexican Section