

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20040083

1. REQUESTED MOTION:

ACTION REQUESTED: Provide direction to DOT staff in regards to the type of structure to be designed for the replacement of the Sanibel Bridges.

WHY ACTION IS NECESSARY: BOCC must approve all Roadway Landscape Advisory Committee (RLAC) recommendations.

WHAT ACTION ACCOMPLISHES: Allows bridge designers to complete plans and specifications for the Sanibel Bridge Replacement Project.

**2. DEPARTMENTAL CATEGORY:
COMMISSION DISTRICT # 1**

A9C

3. MEETING DATE:

02-10-2004

4. AGENDA:

CONSENT
 ADMINISTRATIVE
 APPEALS

 PUBLIC
 WALK ON
 TIME REQUIRED:

**5. REQUIREMENT/PURPOSE:
(Specify)**

STATUTE
 ORDINANCE
 ADMIN.
 CODE
 OTHER

6. REQUESTOR OF INFORMATION:

A. COMMISSIONER
B. DEPARTMENT Transportation
C. DIVISION

BY: Scott M. Gilbertson

7. BACKGROUND:

The BOCC requested that DOT staff pursue a unique or beautiful design for the replacement for the Sanibel Causeway Bridge Structures. The direction was that the design had to be such that the structure could be built within the existing budget and within the existing schedule. To accomplish this task, DOT asked the RLAC to help organize this effort. The RLAC set up a technical subcommittee to seek public input as to the possible types of design.

During the past two months, the technical subcommittee has held 5 meetings to explore various design concepts. The concepts are attached and include, for the pier design (3 options), for the bridge design for Span A only (8 options) and for the bridge railing (1 option). The subcommittee did not reach any firm decision on the design options.

CONTINUED ON PAGE 2

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
<i>1/23/04</i> <i>[Signature]</i>	NA	NA		<i>[Signature]</i> <i>1/26/04</i>	OA <i>[Signature]</i>	OM <i>[Signature]</i> <i>1/27/04</i>	Risk <i>[Signature]</i> <i>1/27/04</i>	GC <i>[Signature]</i> <i>1/26/04</i>	<i>[Signature]</i> <i>1/23/04</i>

10. COMMISSION ACTION:

APPROVED
 DENIED
 DEFERRED
 OTHER

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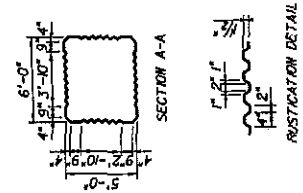
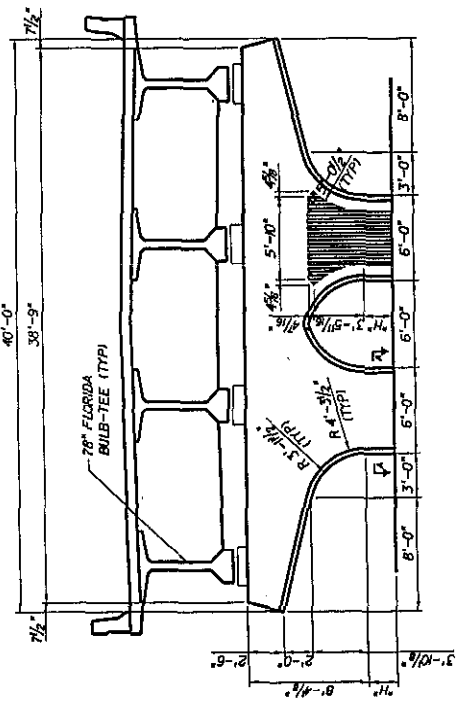
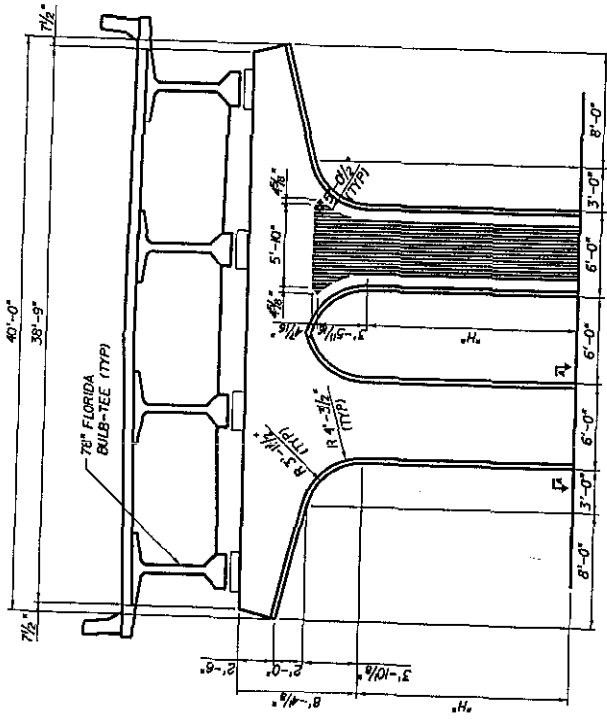
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BLUE SHEET #20040083

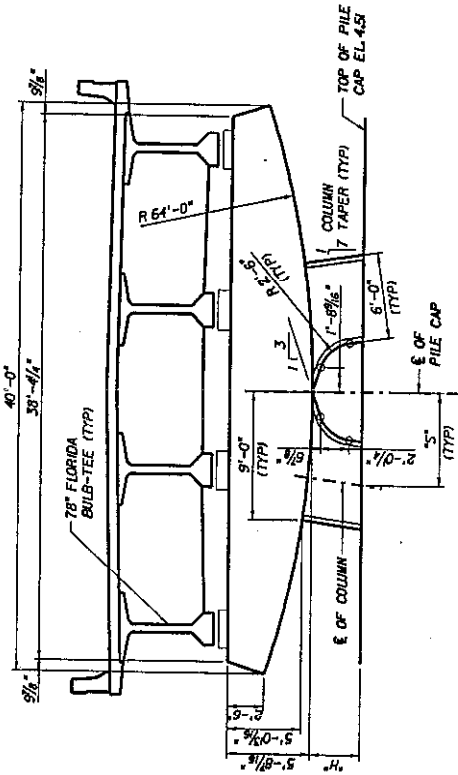
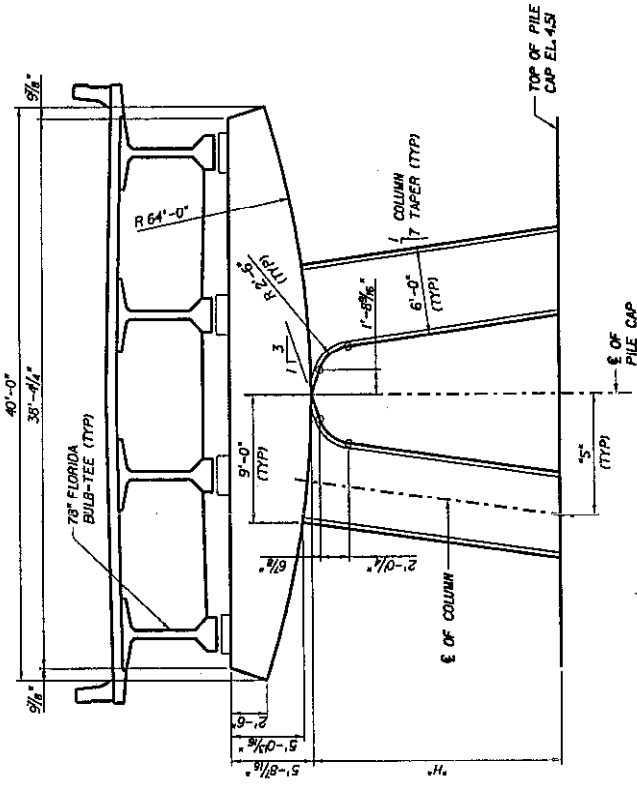
7. BACKGROUND (Continued):

At the January RLAC meeting, the committee reviewed all the options that had been compiled up to that point in time. The RLAC approved a motion to select the pier type shown as Pier Type 15B, the bridge type using the prestressed girders (3 Bulbtee) and the open type railing.

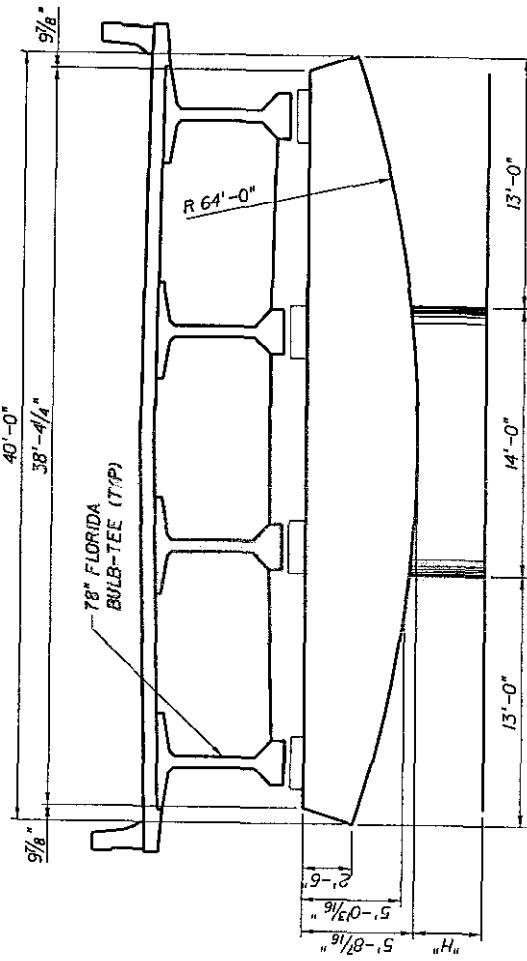
The NewsPress also recently ran an opinion poll and showed the eight options for the Span A structure. The two options receiving the majority of the votes were Option 1, the prestressed girder (3 Bulbtee), receiving approximately 22%, and the post tensioned box (3 Boxgirder), receiving approximately 20%.



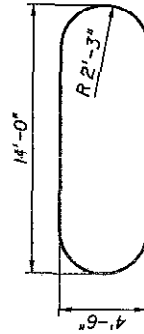
PIER TYPE 14



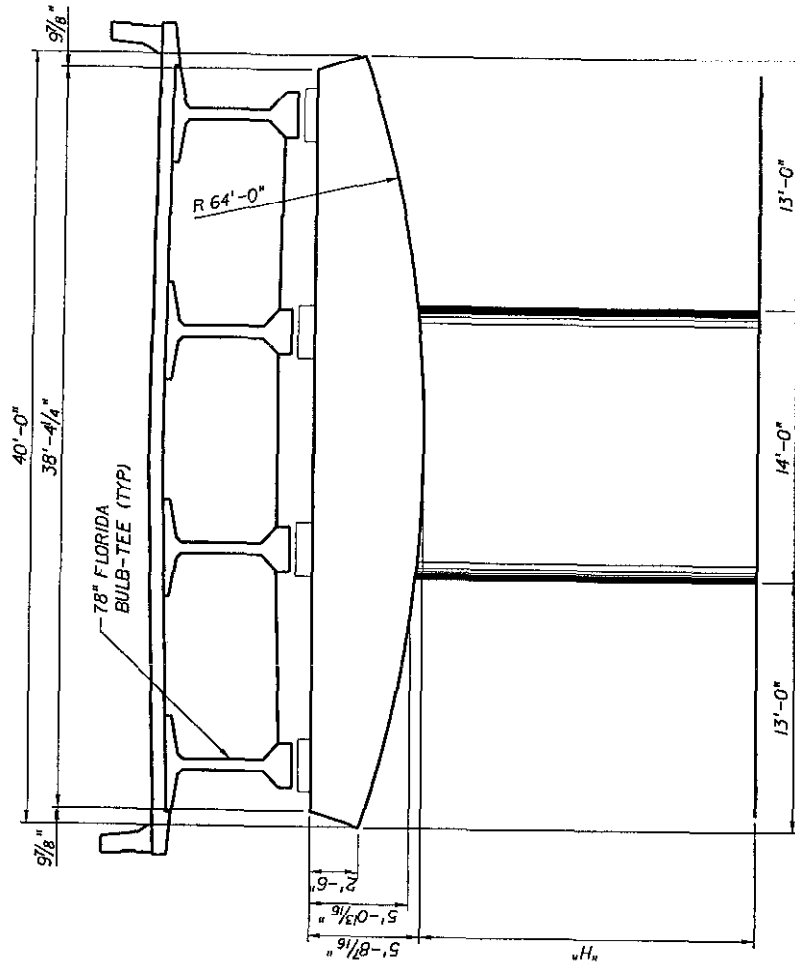
PIER TYPE 15B



TYPICAL LOW SECTION (BRIDGE "B")



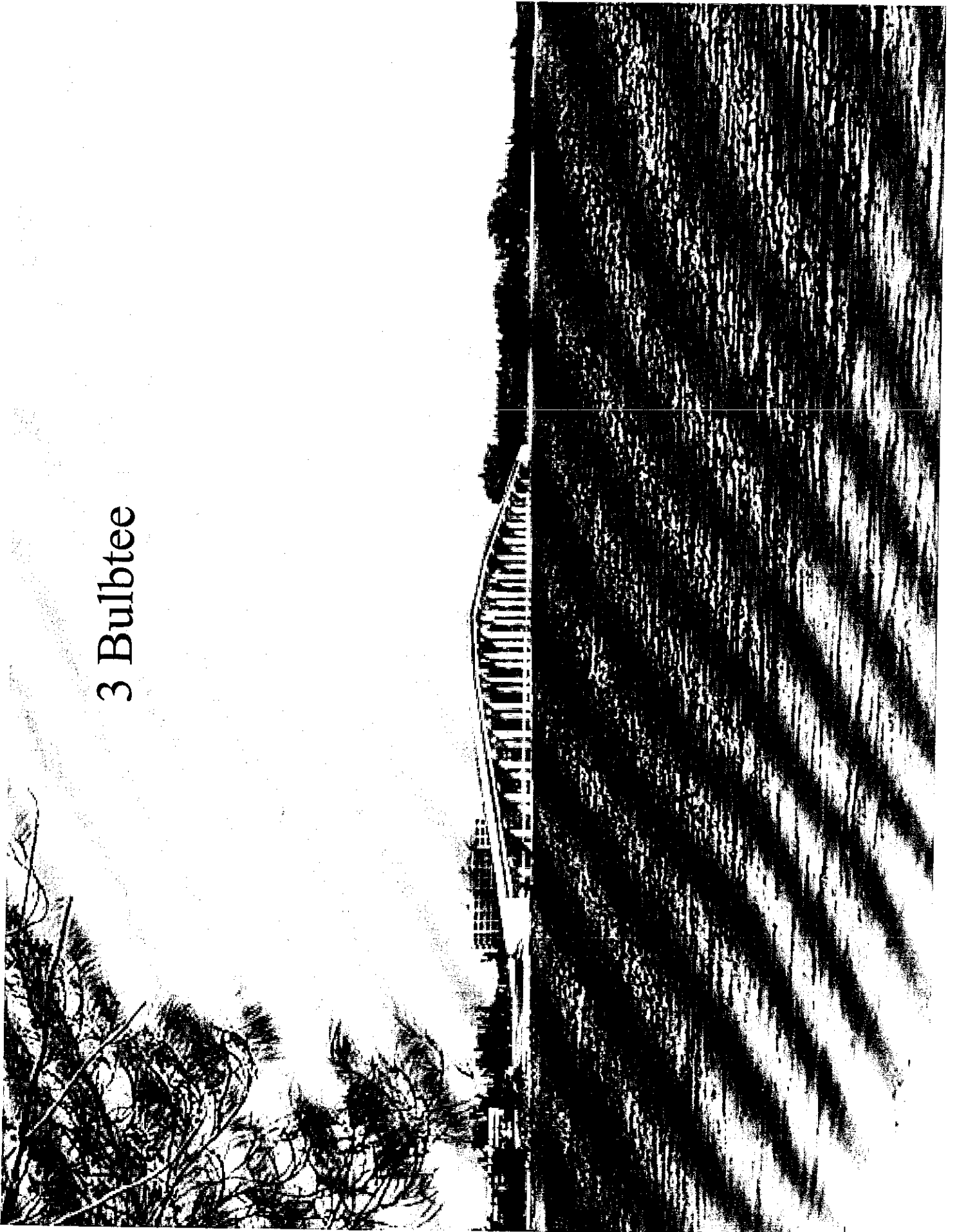
TYPICAL SECTION THRU COLUMN



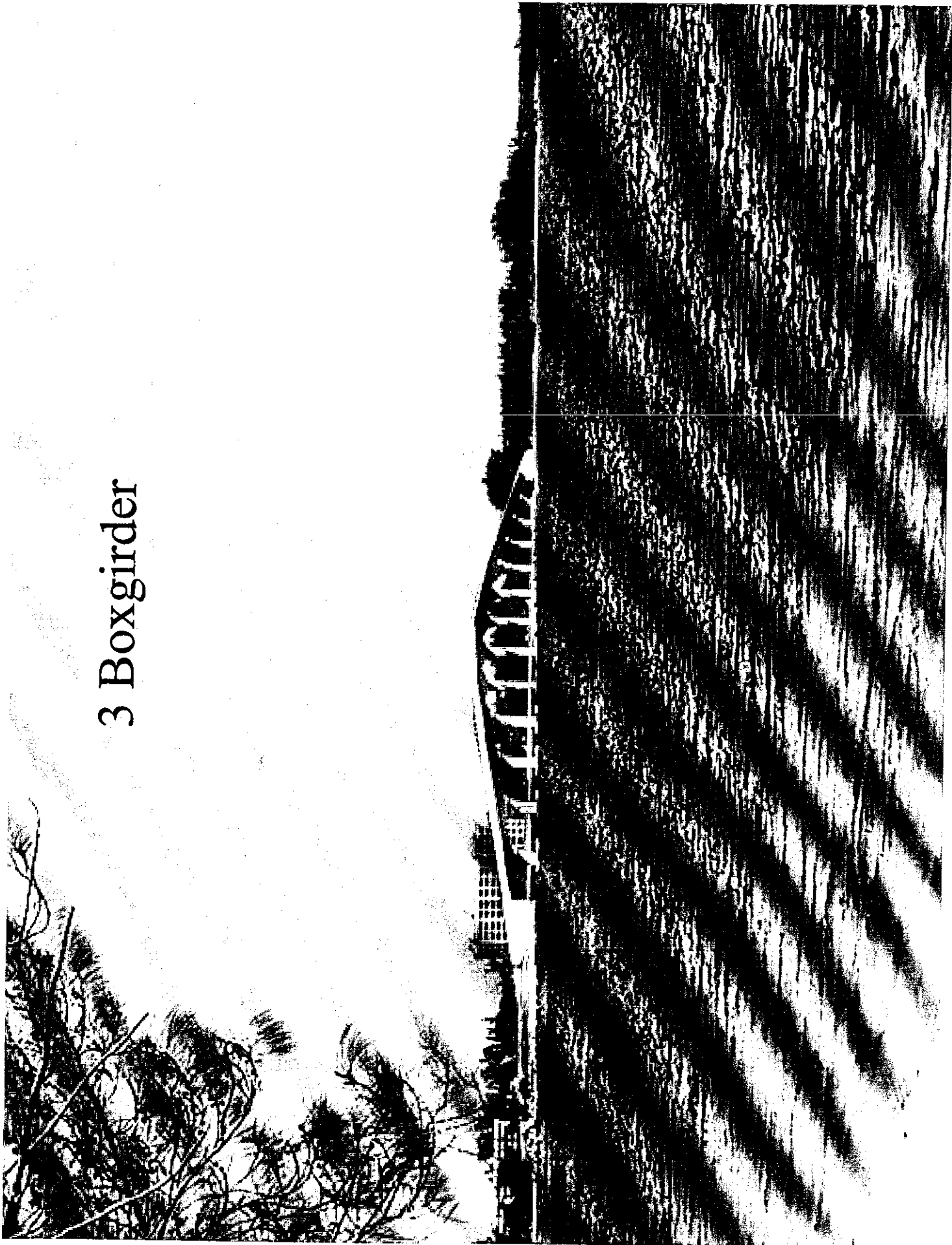
TYPICAL HIGH SECTION (BRIDGE "C")

PIER TYPE 19

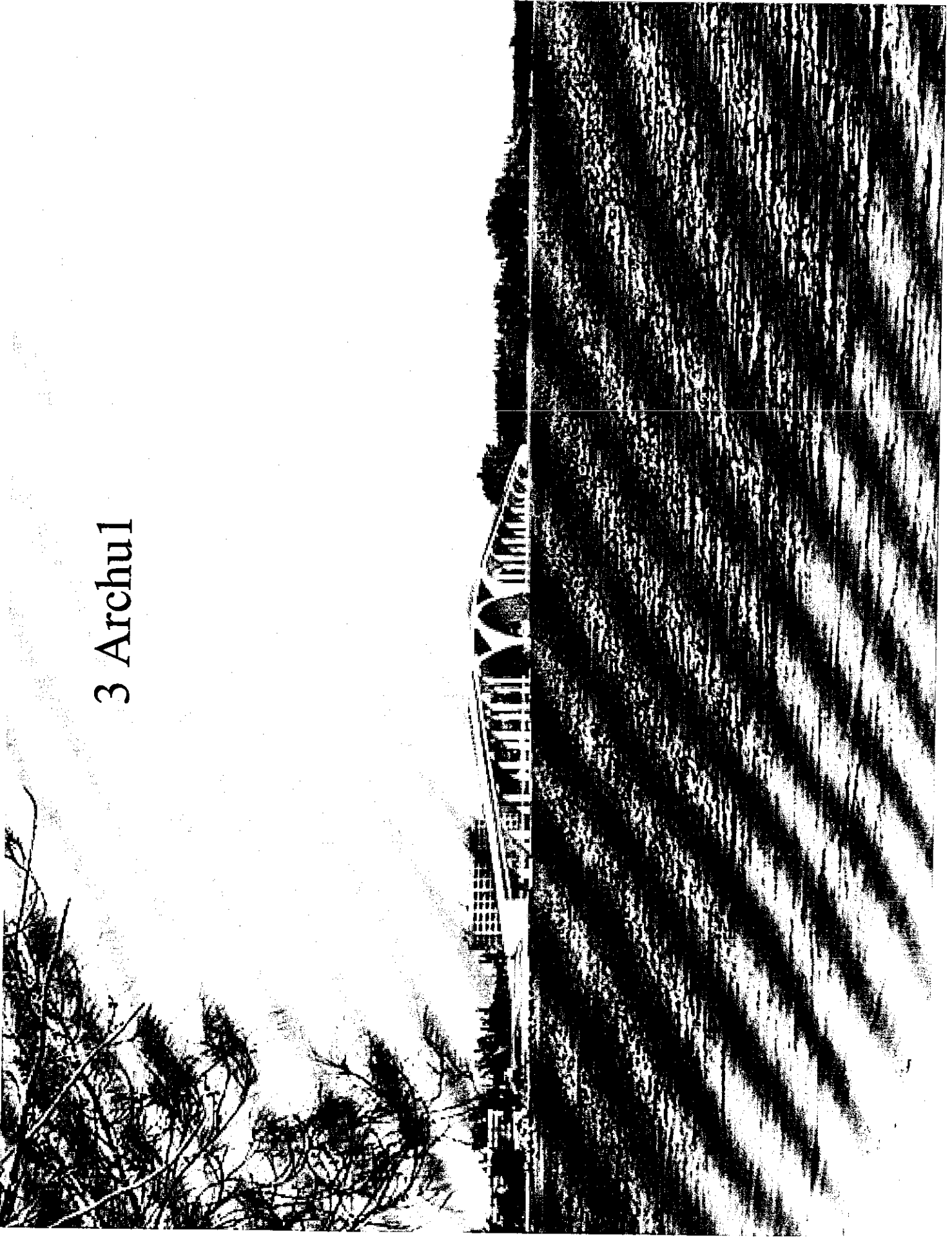
3 Bulbtee



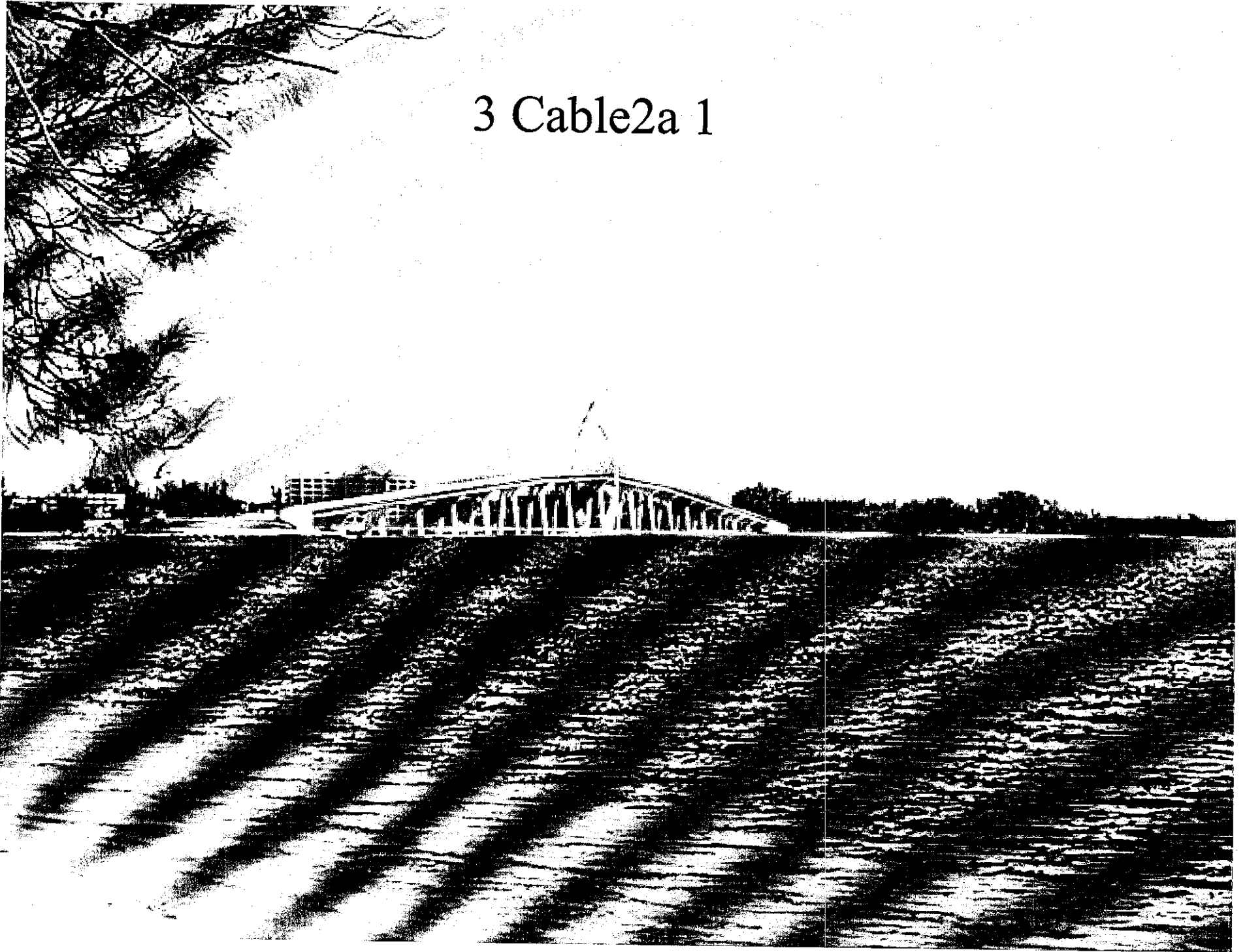
3 Boxgilder



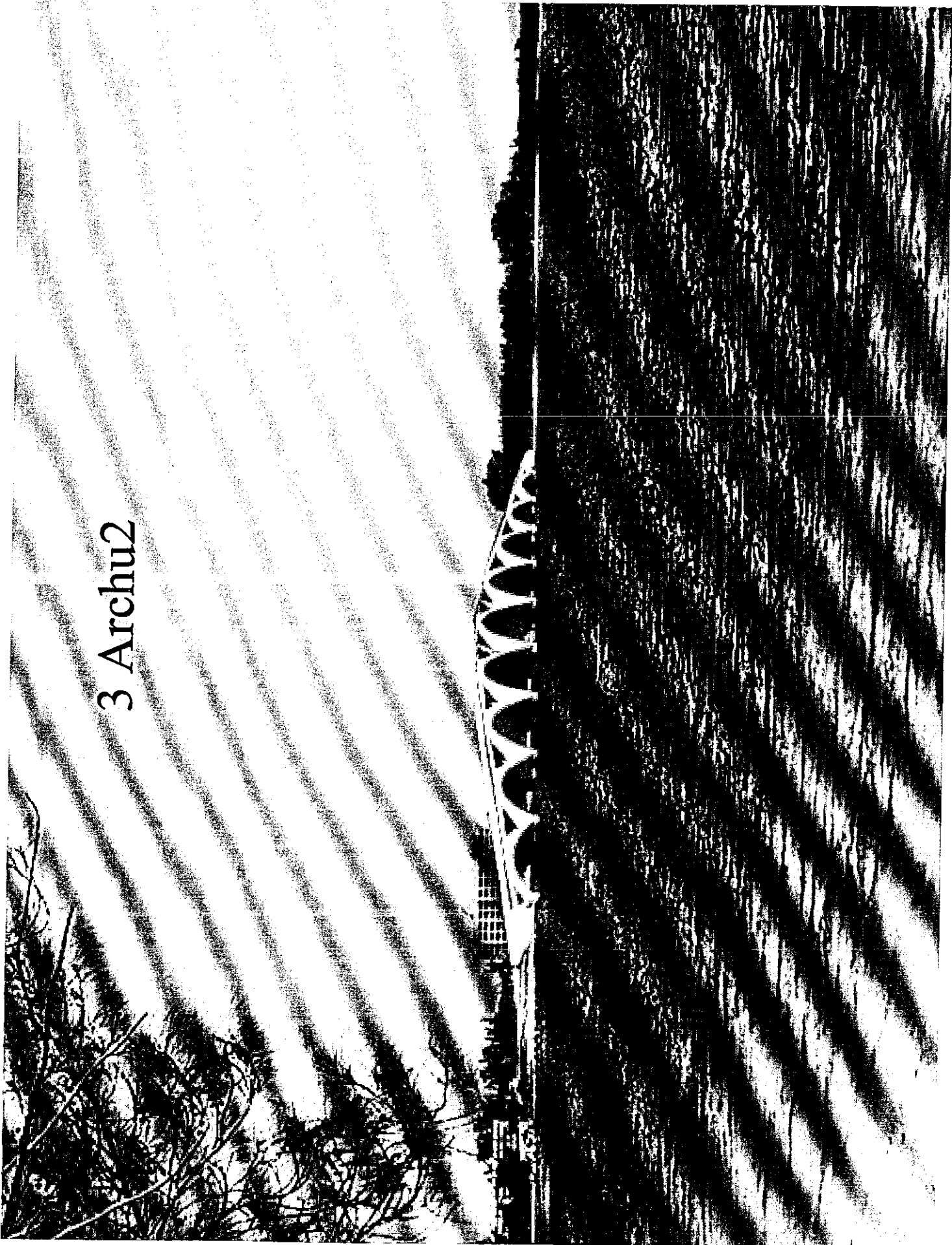
3 Archu1



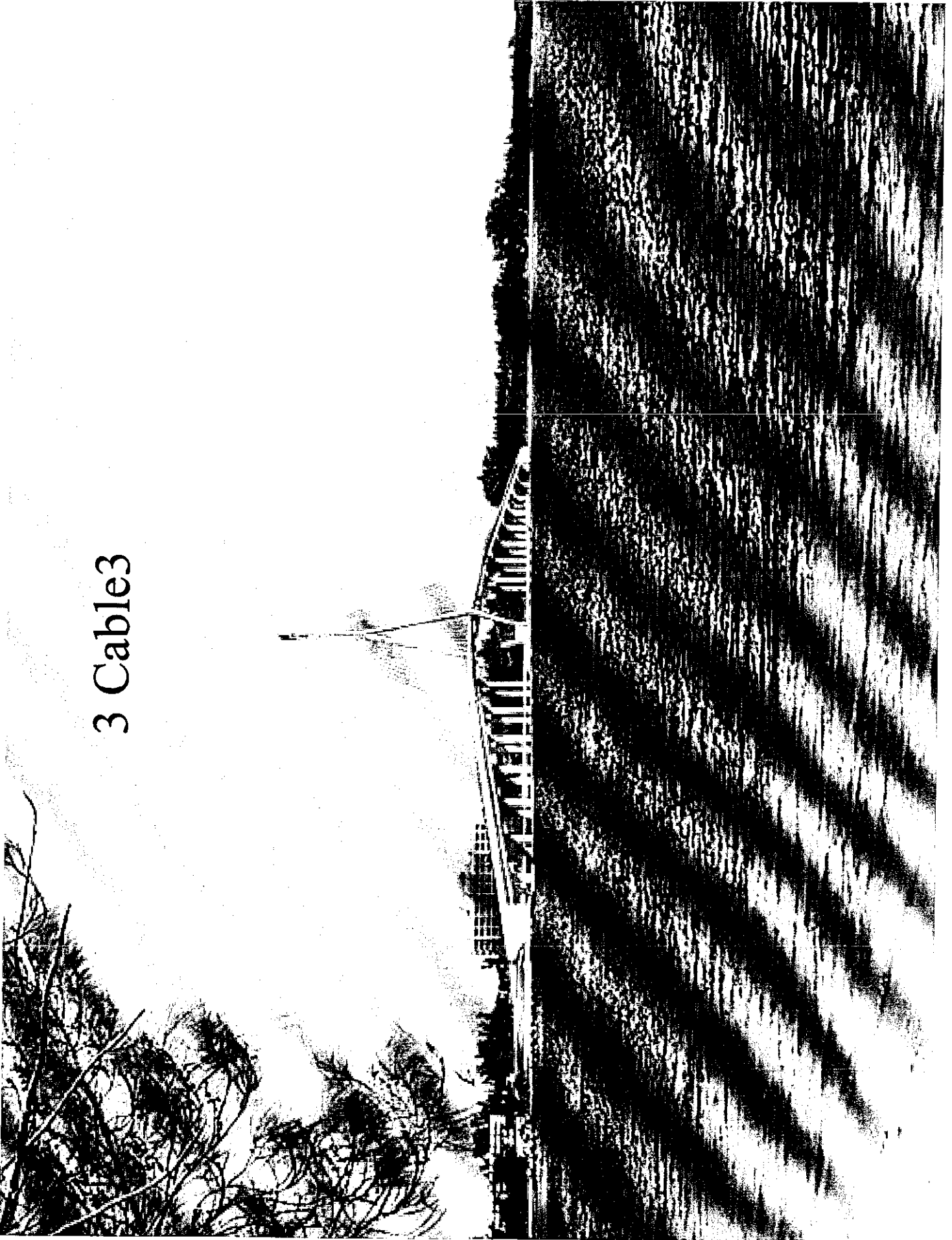
3 Cable2a 1



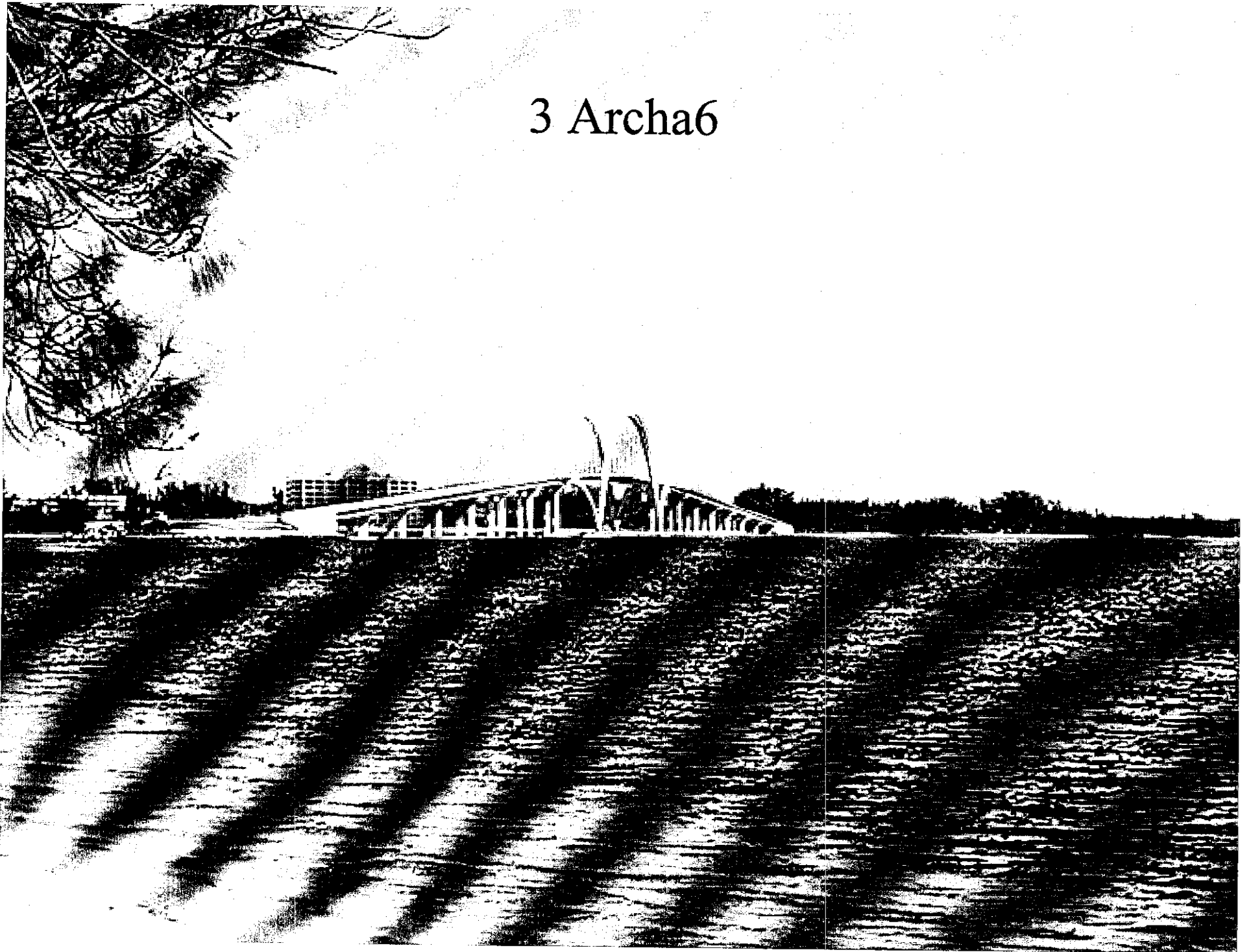
3 Archu2



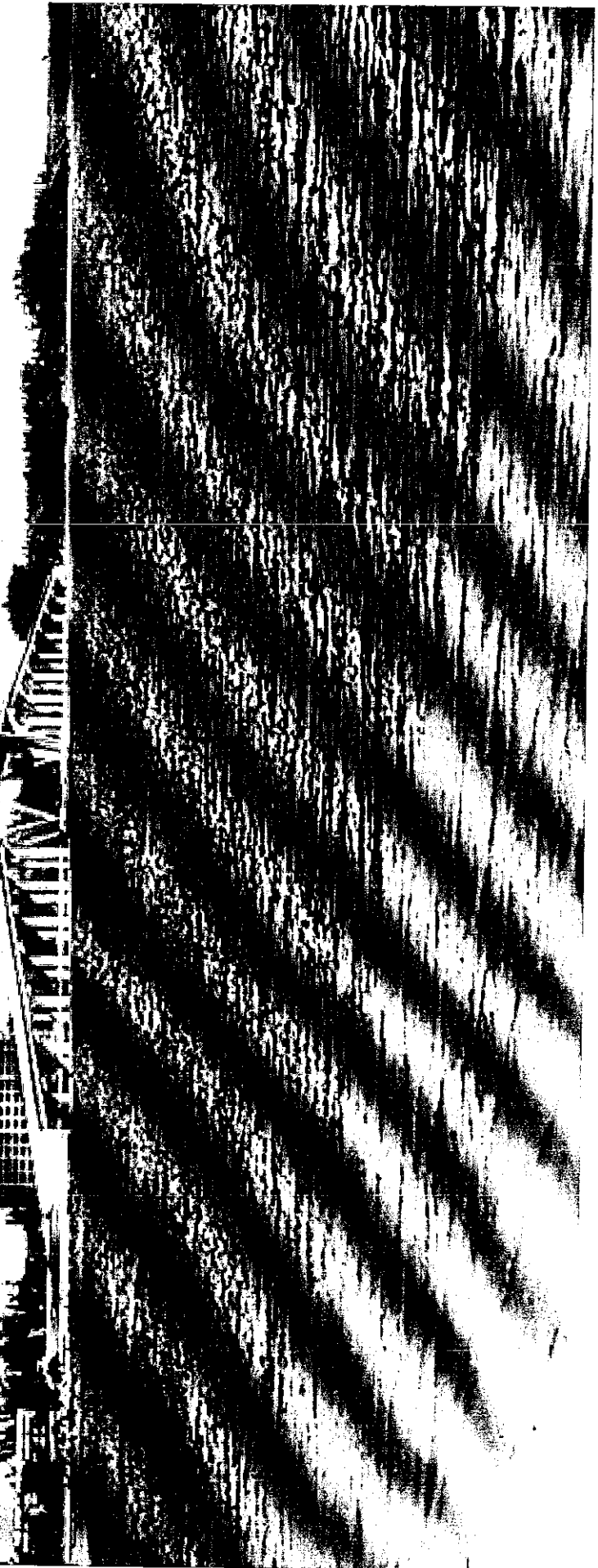
3 Cable3

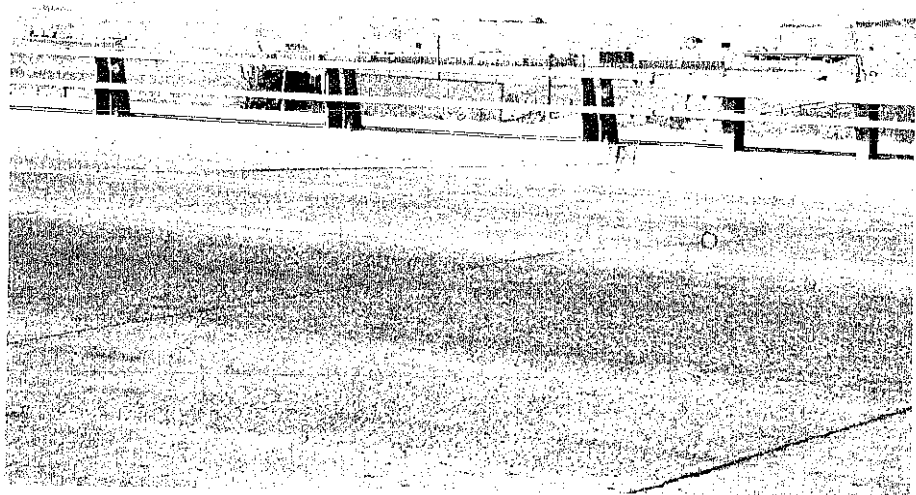
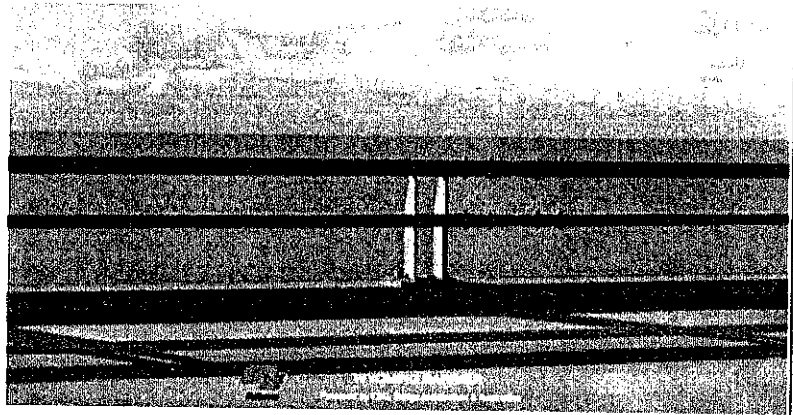


3 Archa6



3 Archa4





WYOMING BRIDGE RAIL (Designed by WyDOT)