

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

A9B

3. MEETING DATE:

03-09-2004

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:

At the February 10th BOCC meeting, DOT brought back the eight (8) design options for the Sanibel Bridge superstructure, Span A, as had been previously requested by the Board. The BOCC narrowed the selection down to a total of four (4) designs and asked that it be brought back to the BOCC at the March 9th meeting, along with an estimate of the toll that would be required for each of the designs. Attached are the digital photos of the four (4) bridge designs, along with the updated information from the News Press poll and a spreadsheet showing the approximate toll required to support the construct costs for each of the options.

Originally, 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.

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>2/19/04</i> <i>[Signature]</i>	NA	NA		<i>[Signature]</i> <i>2/23/04</i>	OA <i>[Signature]</i>	OM <i>[Signature]</i>	Risk <i>[Signature]</i>	GC <i>[Signature]</i>	<i>[Signature]</i> <i>2.23.04</i>

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
Date: *2/23/04*
Time: *1:28*
Forwarded To: *[Signature]*
2/23/04 4:10pm

RECEIVED BY
COUNTY ADMIN: *[Signature]*
2/23/04
4:26pm 567
COUNTY ADMIN
FORWARDED TO: *[Signature]*
2/24/04
5PM

BLUE SHEET # 20040188

7. BACKGROUND (Continued):

During the months of November, December and January, the technical subcommittee held 5 meetings reviewing various design options. The committee looked at the eight different options viewed by the BOCC at the February 10th meeting. These options were then taken to the RLAC who ultimately made the original recommendation to the BOCC on February 10th, selecting the Florida bulb-T as their preferred option.

**Final four: Sanibel
Causeway choices**

With input from the Roadway Landscape Advisory Committee as well as an Internet poll conducted by The News-Press, commissioners decided to further research these four designs for a replacement to the Sanibel Causeway drawbridge. Which do you think should be built?

	27.9%
Bulb tee	
	33.5%
Single-center arch	
	16.7%
Post-tensioned boxgirder	
	22.0%
Continuous arch	

Total Votes: 660

Lee County Transportation Facilities Preliminary Financial Analysis of Bridge A Alternatives

	<u>Bulbtee</u>	<u>Arch</u>	<u>Boxgirder</u>	<u>Arches</u>
Bridge A Construction Costs	\$21.5 M	\$26.0 M	\$27.0 M	\$41.0 M
Required Tolls/2 axles	\$3.75	\$4.00	\$4.00	\$4.75

These tolls are projected to generate sufficient revenues for the four design options (for comparative purposes only) utilizing the following assumptions:

Assumptions:

- No Discounts
- Elasticity assumed at 15%
- Traffic & Earnings Report will be required and certified by Traffic Engineer
- No project increases other than design alternatives
- Revenues projected at 2 times coverage
- Design Delay 6-9 months for design other than Bulbtee Design
- Bulbtee currently under design

PROJECTED TOLLS ARE ONLY FOR COMPARATIVE PURPOSES

Bulbtee – Toll = \$3.75



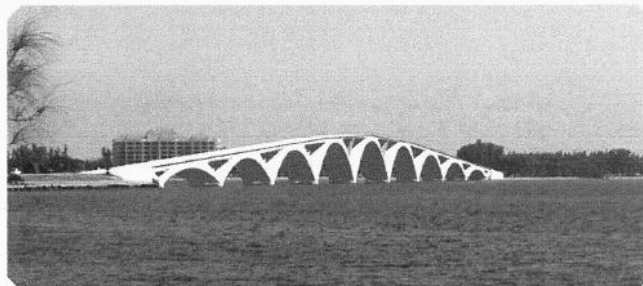
Boxgirder – Toll = \$4.00



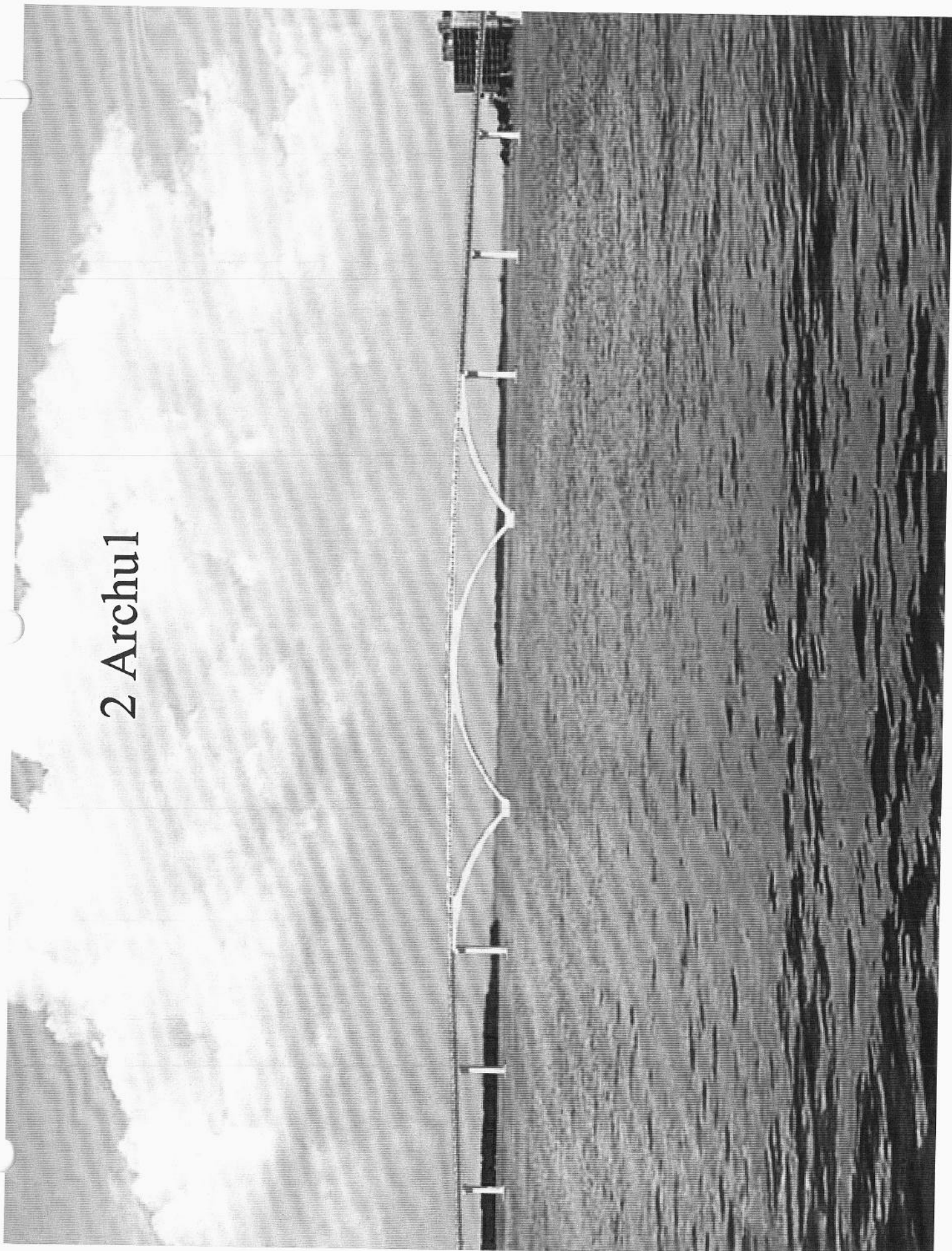
Arch – Toll = \$4.00



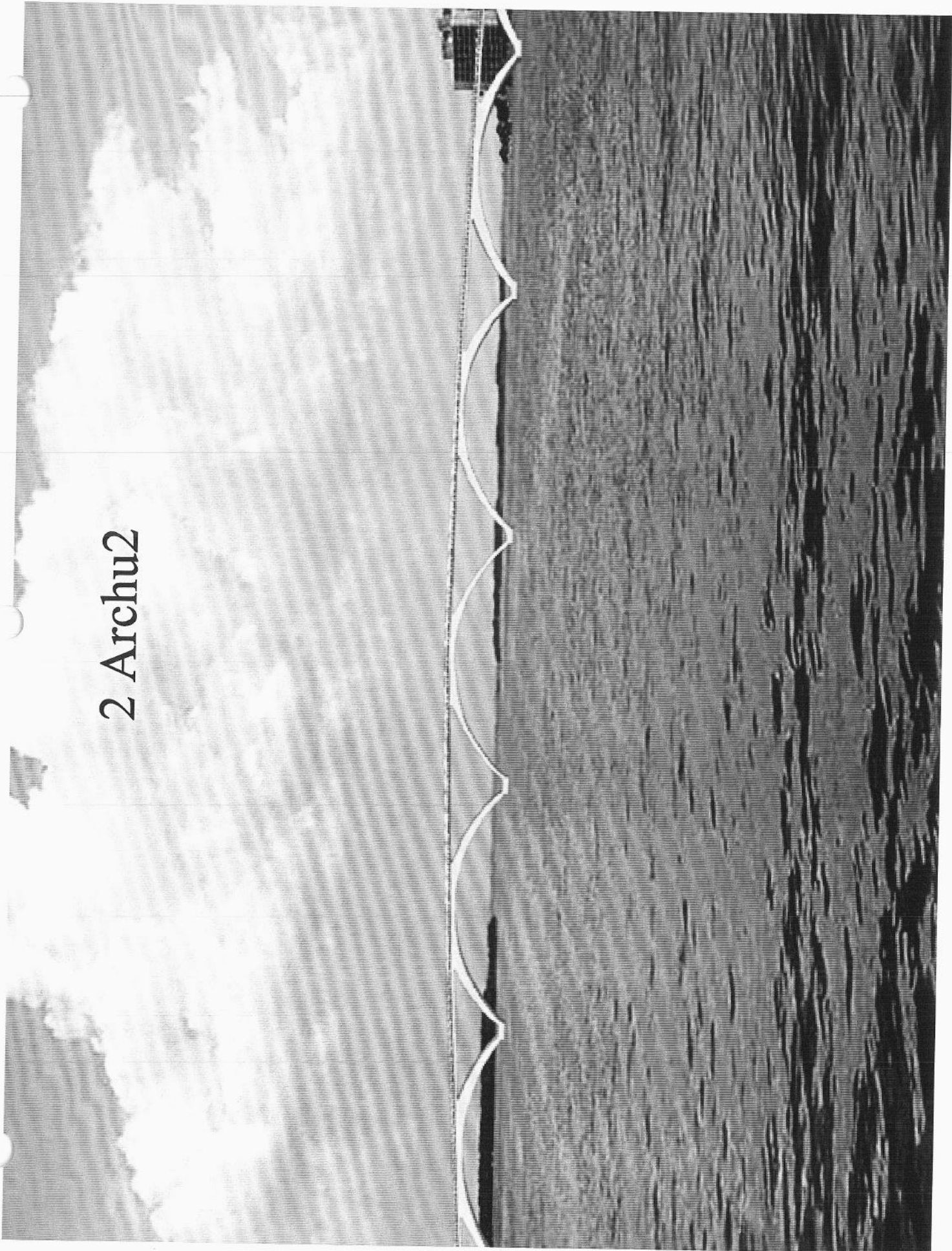
Arches – Toll = \$4.75



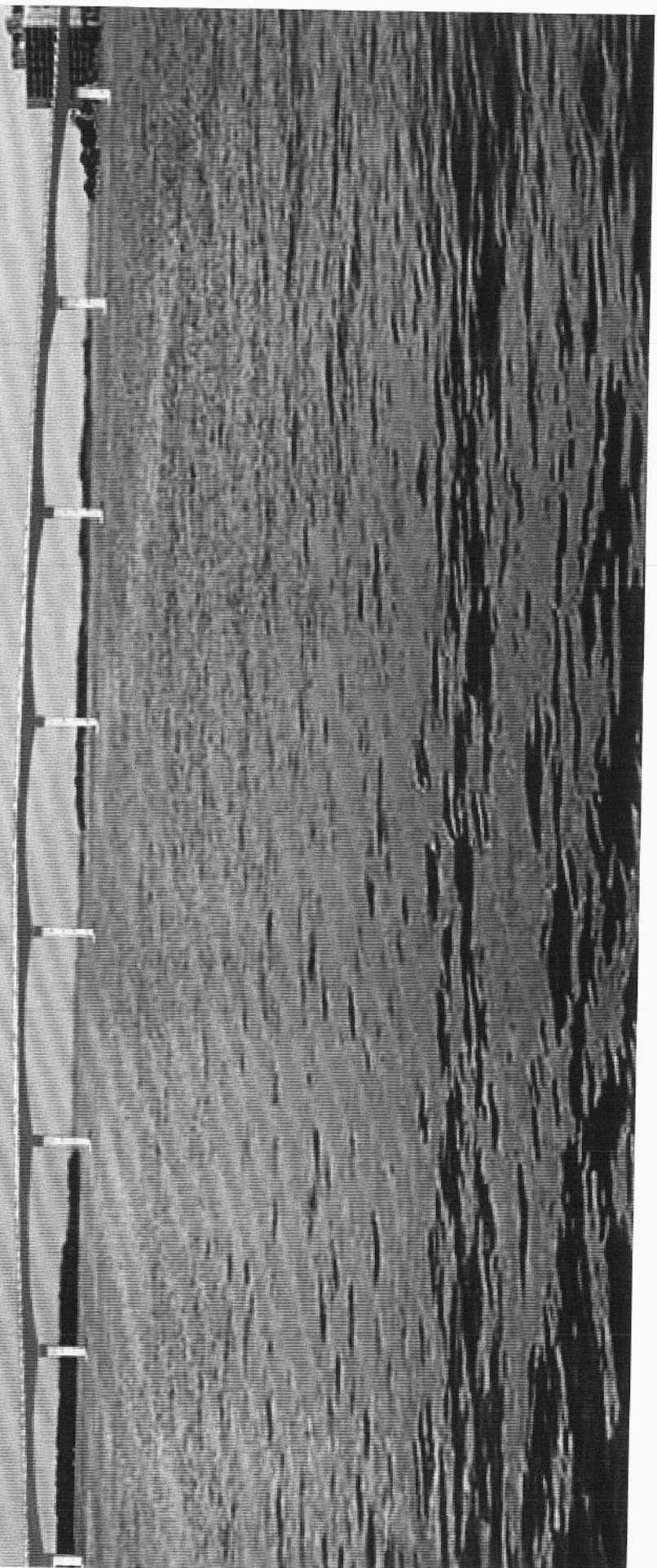
2 Archu1



2 Archu2



2 Boxgirder



2 Bulbtee

