

RECORD OF PROCEEDINGS

100 LEAVES

MINUTES OF THE BOARD OF DIRECTORS SPECIAL MEETING THE PUEBLO CONSERVANCY DISTRICT JULY 17, 1979

The Directors met for a Special Meeting at 11:00 A.M. on July 17, 1979 in the Conference Room at the District's Office, 111 E. 5th Street, Pueblo, Colorado .

DIRECTORS PRESENT : P. Kelly, K. Farley and G. Sandstrom
ENGINEER PRESENT : R. Koester
ATTORNEY PRESENT : Don Banner
OTHERS PRESENT : Dale D. Oldhausen and Patrick Mestas

The purpose of the special meeting was to interview Hogan & Oldhausen, Inc. Engineers represented by Dale D. Olhausen and Patrick Mestas.

A brief tour was taken of the Conservancy works. This was followed by discussion between the Directors and the representatives of the Engineering firm, to discover the scope of the engineering review.

Hogan & Olhausen, Inc. will report back to the Board by July 23, with a proposal of work to be done and estimate of cost.

The meeting was recessed at 2:00 PM this date, to be resumed at 3:30 PM on July 23, 1979.

The meeting of July 17 was reconvened on July 23, 1979 at 3:30 PM.

All Directors were present
Engineer Koester was also present.

The proposal of Hogan & Olhausen, Inc. (received by mail earlier in the day) was reviewed by the Directors.

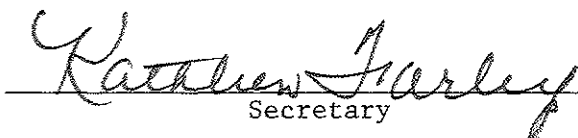
The Proposal was for three parts:

- | | |
|--------------------------------------|--------------|
| 1. Preliminary Analysis (top figure) | - \$5,000.00 |
| 2. Final analysis (top figure) | - \$6,500.00 |
| 3. Report and analysis (top figure) | - \$ 850.00 |

The Directors discussed the proposal and after discussion with Hogan & Oldhausen, Inc., on the phone, regarding adding a paragraph 4c on the preliminary analysis proposal, similar to provision of paragraph 5 of the final analysis, at no change in price, (See proposal attached) the Directors then agreed to give notice to proceed to Hogan & Olhausen, Inc. by signing a copy of the proposal, and returning it by mail.

The meeting with Judge Phelps was rescheduled for 1:30 P.M., Wednesday, July 25th.

There being no further business, the special meeting adjourned at 2:00 P.M.


Secretary

THE PUEBLO CONSERVANCY DISTRICT

BOARD OF DIRECTORS
P. KELLY
K. FARLEY
G. SANDSTROM

111 EAST FIFTH STREET
544-6823
PUEBLO, COLORADO

MAILING ADDRESS:
P. O. BOX 234
PUEBLO, COLO. 81002

July 23, 1979

IN THE MATTER OF PUEBLO CONSERVANCY DISTRICT CASE NO. 17664:

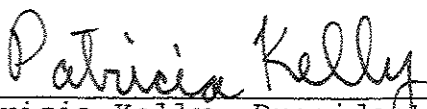
The Conservancy District Board has met regularly during the past year, providing direction to our Engineer on maintenance and examination of the levy system.

Maintenance projects have been completed and we have taken special steps to insure enviornmental protection of the water course while spraying the weeds.

The Board continues to examine the integrity of the levy system and has hired an independant consulting firm to provide an examination and recommendations.

During the year specific attention has been focused on the dirt levy located north of the Pueblo Water Works. We have also refined the investment practices of the District.

Additional evaluation of the levy, the district, and its future will be completed following receipt of a report from the consulting engineers.



Patricia Kelly, President

PROPOSAL - AGREEMENT
for an
ANALYSIS AND REPORT
of the
EXISTING LEVEE SYSTEM
for the
PUEBLO CONSERVANCY DISTRICT

I. PURPOSE

The Pueblo Conservancy District was organized in the 1920's by separate statute after a major flood occurred causing considerable damage to the downtown Pueblo area. A levy system was constructed generally along the east side of the Arkansas River for flood protection. Since that time considerable change has occurred, probably the most significant being the Pueblo Reservoir and dam. Pueblo Reservoir now provides for substantial flood protection and control in this area. Another change is the current land development west of the Arkansas River particularly in the upper reaches of the levee system where it appears to be below the flood stage.

The primary purpose of this report is to provide an independent analysis on the adequacy, function and need of the existing levee system. The secondary purpose is to evaluate the future value, need and functions of the District.

II. SCOPE OF THE WORK

- A. Determine the function, use and need of the existing levee system for the District and as envisioned by other entities. It is intended that this portion of the work would begin first as it may affect subsequent work. After evaluating the function, use and need of the existing levee system as envisioned by other entities, it may be that certain portions of the following work may or may not be needed or may have to be investigated in more detail than is proposed herein.

II. SCOPE OF THE WORK (Cont'd)

1. Evaluate existing or proposed flood control projects such as the Pueblo Reservoir. Agencies that will be contacted are the Corps of Engineers, Bureau of Reclamation, City of Pueblo, Pueblo County and other special improvement districts as necessary.
 2. Evaluate the function and use of the existing levee system as considered by other agencies such as the Power Company, Railroad Company, Pueblo Regional Planning Commission and the City of Pueblo.
- B. Determine the capacity of the existing levee system and the flood protection it can provide. Sections of the levee system will be identified that minimizes or reduces the effective capacity.
- C. Investigate the structural integrity of existing dike and the concrete lined surface.
1. Perform a stability analysis of the earthen embankment at:
(1) the highest location, (2) areas where deterioration may exist and (3) areas where potential flooding may occur.
 2. Perform a stability analysis of the concrete lined portion of the levee system.
 - a. Core samples will be taken to determine the structural soundness of the concrete.
 - b. Identify sections that show signs of deterioration, undermining and spaulding.
 - c. Evaluate the stability of the toe wall and channel as can reasonably be done considering the existing flow within the channel.
- D. Review the maintenance that is currently being done and provide recommendations regarding other alternative maintenance procedures if necessary and appropriate.
- E. Evaluate the effect of existing and potential development immediately west of the Arkansas River.

II. SCOPE OF THE WORK (Cont'd)

- F. Prepare rough preliminary cost estimates for recommended capital improvements to fulfill the function, use and needs of existing levee system.
- G. Identify items of concern or areas that may need further investigation or that beyond the scope of this report.

III. PROCEDURE OF ANALYSIS REPORT AND COST

A. Preliminary Analysis.

1. Contact appropriate agencies and evaluate their flood control projects and decisions regarding effect on the function, need, and use of existing levee system.
2. Determine the capacity of the existing levee system from preliminary reports, as-built drawings, and other existing information and data.
3. Compare the capacity of the existing levee system with the need of the District and the other agencies.
4. Begin evaluation of the structural integrity of the existing dike and protective concrete surfaces.
 - a. Review the existing stability analysis of the earthen embankment. Also determine locations where a more detailed stability analysis may be necessary on the earthen embankment.
 - b. Identify sections that show signs of deterioration in the monuments and spaulding on the concrete lined section.
 - c. Identify items of concern or areas that may need further investigation.
5. Schedule a meeting with the Board of Directors to present a summary of our preliminary analysis. The intent of the meeting is to determine the degree of detail for subsequent work as proposed in this report. For example, it may be that more detailed analysis of the capacity of the existing levee system is necessary or the capacity as determined to this point is sufficient.

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III. PROCEDURE OF ANALYSIS REPORT AND COST (Cont'd)

6. Compensation for the preliminary analysis will be on an hourly cost and non-salary expense basis not to exceed \$5,000.00. Hourly cost shall be salary cost as defined by ASCE Manual 45 times the 2.25 multiplier.
7. The preliminary analysis shall be completed 30 calendar days from the date of authorization to proceed.

B. Final Analysis.

1. Complete the evaluation of the structural integrity of the existing embankment and concrete lined section. Perform a soils analysis and concrete core testing at specific locations. Complete the evaluation of the toe wall.
2. Review the maintenance that is currently being done and evaluate other alternative maintenance procedures.
3. Evaluate the effect of existing and future development immediately west of the Arkansas River.
4. Prepare rough preliminary cost estimates for recommended capital improvements to fulfill the function, use, and need of the existing levee system for the District and other entities.
5. Identify items of concern or areas that may need further investigation or that are beyond on the scope of this report.
6. Compensation for the final analysis will be on an hourly cost and non-salary expense basis not to exceed \$6,500.00. Hourly costs shall be salary cost as defined by ASCE Manual 45 times the 2.25 multiplier.
7. The final analysis shall be completed 30 calendar days after the meeting with the Board of Directors stated above.

III. PROCEDURE OF ANALYSIS REPORT AND COST (Cont'd)

C. Report.

1. Prepare eight bound reports for submittal to the Board of Directors. Prior to final printing the draft copy shall be submitted to the Board of Directors for review and comments. Necessary exhibits shall be included to show the results of the analysis and proposed recommended improvements. Colored exhibits will not be included unless specifically requested by the Board of Directors.
2. Compensation for the report will be on an hourly cost and on salary expense basis not to exceed \$850.00. Hourly cost shall be salary cost as defined by ASCE Manual 45 times the 2.25 multiplier.
3. The final report shall be completed thirty calendar days after the meeting with the Board of Directors as stated the above.

D. Supplemental Work.

Supplemental work is that work not included above and as specifically requested by the Board of Directors which shall not commence until written authorization is received. Compensation shall mutually be agreed to prior to commencement of the work. Some supplemental work that may be applicable is:

1. Detail evaluation of structures, control gates, cost or financial consideration.
2. A detailed photographic or topographic map for all or a portion of the existing levee system.
3. Assistance in the evaluation of the statutes organizing the District to determine how the District is complying with the intent of the statutes.

PUEBLO CONSERVANCY DISTRICT

HOGAN AND OLHAUSEN, INC.

By: Patricia D Kelly

By: Dale D. Olhausen

Typed Name: Patricia D. Kelly

Typed Name: Dale D. Olhausen

Title: President

Title: Secretary - Treasurer

Date: July 23, 1979

Date: July 20, 1979

20 July 1979
Project No. 2272-01-01-99

Pueblo Conservancy District
P.O. Box 234
111 East 5th Street
Pueblo, CO 81002

Attn: Board of Directors

RE: Proposal-Agreement for a Study of Existing Levee System

Honorable Board:

Pursuant with our meeting on July 17, 1979, transmitted herewith are two copies of the proposal agreement for a study of your existing levee system. We prepared the proposal agreement so that if satisfactory to you it can be executed and we can begin work immediately.

We have separated the work into two phases (1) Preliminary Analysis; (2) Final Analysis and Report. It is our intent in the preliminary analysis to contact the various agencies that may have an effect on the use of the existing levee system and report to the Board our findings prior to proceeding with the final analysis and report. The intended use of the existing levee system by the other agencies may have an effect on the subsequent work.

Because we now have a better understanding of your needs and the intent of the study, we feel that the preliminary phase can be accomplished in 30 days. The final analysis and report would be completed in the next 30 days.

We propose that compensation for the phases be on an hourly and expense basis not to exceed a fixed amount as shown in the proposal agreement. If the Board so desires, we are amenable to another method of compensation such as a fixed amount.

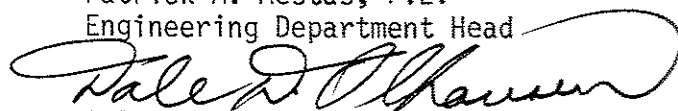
If you have any questions, comments, or if there is an item that needs further clarification, please advise as we will work with the Board to meet your needs. If the proposal agreement is satisfactory, please sign and return one copy for our file and we will begin work immediately upon receipt of signed copy.

Respectfully submitted,

HOGAN AND OLHAUSEN, INC.



Patrick M. Mestas, P.E.
Engineering Department Head



Dale D. Olhausen,
Principal

PMM/cd

BRANCH OFFICE: GREELEY, COLORADO 80631
105 EIGHTEENTH STREET
(303) 352-4467



A FULL SERVICE ORGANIZATION

MAIN OFFICE: LOVELAND, COLORADO 80537
2300 WEST EISENHOWER
(303) 667-6286

PROPOSAL - AGREEMENT
for an
ANALYSIS AND REPORT
of the
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PUEBLO CONSERVANCY DISTRICT

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PUEBLO CONSERVANCY DISTRICT

HOGAN AND OLHAUSEN, INC.

By: s/Patricia D. Kelly

By: Dale D. Olhausen

Typed Name: Patrica D. Kelly

Typed Name: Dale D. Olhausen

Title: President

Title: Secretary - Treasurer

Date: July 23, 1979

Date: July 20, 1979

PREDOVICH, WARD & BANNER

WALTER J. PREDOVICH
LESTER L. WARD
DONALD J. BANNER

ATTORNEYS AT LAW
727 THATCHER BUILDING
FIFTH AND MAIN STREET
PUEBLO, COLORADO 81003

TELEPHONE 544-5081
AREA CODE 303

July 23, 1979

Mr. Dale D. Olhausen
Hogan & Olhausen, P.C.
Consulting Engineers
2300 West Eisenhower
Loveland, Colorado 80537

In re: Pueblo Conservancy District

Dear Mr. Olhausen:

Pursuant to your request, enclosed please find a copy of the Conservancy Law of Colorado - Flood Control, being found in C.R.S. 1973, 37-1-101 et seq together with a photo copy of Mr. Ward's letter of August 17, 1977 which summarizes the history of the organization of the District as well as other matters. If you need any further information concerning the organization of the District please don't hesitate to contact this office.

Very truly yours,



DJB/ljs
Enclosure

cc: Pueblo Conservancy District