

NORTH DAKOTA STATE WATER COMMISSION

REGISTER

ATTENDANCE AT State Water Commission MeetingDATE June 24, 1981 PLACE Bismarck, ND

PROJECT NO. _____

Your Name	Your Address	Who do you Represent? (Or Occupation)
Mark Johnson	Bismarck	Houston-Kirkham Michael
James Siebken	Omaha	Houston Kirkham Michael
Geo Houston	Fargo	"
HANK TRANGSRUD	Fargo	"
Donna Wright	Bismarck	KBMR
DAVID ASPRYNCEZYDZKA	Bis	SWC
AL LUDDEN	FWS - BIS	
VERN ZINIC	Bis	TPI
Pete Wold	Bottineau	Wold Engineering P.C.
M.W. Kadymas	DICKINSON	VB1981 ENRG. - P.C.
VANCE LEE	DENVER	MONTGOMERY ENG.
Bill Blackmer	Denver	Montgomery Eng.
Homer Engelhorn	Carrington	GDCD
Bob Dorothy	Bismarck	
Neal McClure	"	N.D. Rural Water Assoc.

NORTH DAKOTA STATE WATER COMMISSION
REGISTER

ATTENDANCE AT _____
DATE _____ PLACE _____
PROJECT NO. _____

Your Name	Your Address	Who do you Represent? (Or Occupation)
Greg turosak	Bismarck	Bismarck Tribune
Laurie McMERTY	MINOT	N. D. WATER USERS
Charles E. Mumma	Bismarck	USDA - SCS
EDWIN DEWITZ	TAPPEEN	IRRIGATOR
Jim Skarut	Bismarck	TKDA Assoc. Inc.
Tom Kirk	ST. PAUL, MN	TKDA Assoc. Inc.
Chuck Rupe	BISMARCK	GREAT PLAINS COAL GASIFICATION
R. D. ANDERSON	BISMARCK	REGIONAL ENGINEERING
Marshall Moore	Fargo	Reg. Eng.
Ken Skaza	Fargo	" "
MARK HOFFMANN	GRAND FORKS	" "
R Karl Christensen	Bis.	Schultz Eng.
Gene Krenz	Bismarck	State Water Commission
Jim Bullock	Lincoln	Chiles Heider & Co

NORTH DAKOTA STATE WATER COMMISSION
REGISTER

ATTENDANCE AT _____
DATE _____ PLACE _____
PROJECT NO. _____

Your Name	Your Address	Who do you Represent? (Or Occupation)
<i>J. P. Gudst</i>	<i>Trust</i>	<i>Trust. Sur</i>
<i>Kent Hummel</i>	<i>"</i>	<i>"</i>

MINUTES

North Dakota State Water Commission
Meeting Held In
Bismarck, North Dakota

June 24, 1981

The North Dakota State Water Commission held a meeting on June 24, 1981, in the Vocational Education Conference Room of the State Office Building, Bismarck, North Dakota. Vice Chairman, Kent Jones, called the meeting to order at 10:00 a.m., and requested Secretary Vernon Fahy to present the agenda.

MEMBERS PRESENT:

Allen I. Olson, Governor-Chairman
Kent Jones, Commissioner, Department of
Alvin Kramer, Member from Minot
Florenz Bjornson, Member from West Fargo
Guy Larson, Member from Bismarck
Henry Schank, Member from Dickinson
Garvin Jacobson, Member from Alexander
Vernon Fahy, State Engineer and Secretary, North Dakota
State Water Commission, Bismarck

EX-OFFICIO MEMBERS PRESENT:

Ray Hutton, Member from Oslo, Minnesota
Bernie Vculek, Member from Crete

OTHERS PRESENT:

State Water Commission Staff Members
Approximately 30 persons interested in agenda items

The attendance register is on file in the State Water Commission offices (filed with official copy of minutes).

The proceedings of the meeting were recorded to assist in compilation of the minutes.

**CONSIDERATION OF MINUTES
OF MAY 27, 1981 MEETING -
APPROVED**

Secretary Fahy reviewed the minutes of the May 27, 1981 meeting held in Bismarck, North Dakota. There were no corrections or additions.

It was moved by Commissioner Kramer, seconded by Commissioner Bjornson, and unanimously carried, that the minutes be approved as presented.

Governor Olson entered meeting.

**CONSIDERATION OF PROPOSALS
FOR FINANCIAL CONSULTING
SERVICES FOR SOUTHWEST
PIPELINE STUDY
(SWC Project No. 1736)**

Secretary Fahy distributed copies of the following three proposals which have been received for the financial consulting services for the Southwest Pipeline Study project:

- 1) Arthur D. Little, Inc., Cambridge, Ma. - submitting a proposal totalling \$228,327.
- 2) Ernst & Whinney, Denver, Colorado - submitted a proposal with no estimate of costs at this time but would negotiate costs after a decision had been made.
- 3) Chiles, Heider & Co., Inc., Omaha, Nebraska - submitting a proposal totalling \$50,000 plus travel expenses.

Secretary Fahy indicated that he has reviewed all three of the proposals and recommends that Chiles, Heider & Co., Inc. be considered by the Water Commission for retention as the financial consultant for the Southwest Pipeline Project.

In discussion, it was the general feeling of the Commission members that since they have not had an opportunity to review the three proposals, that the recommendation of the State Engineer be taken under advisement and placed on the July agenda of the Commission for further consideration. The Commission also requested the State Engineer to contact the Ernst & Whinney firm asking them for a specific figure prior to the next meeting.

Secretary Fahy indicated that there will be need for legal services for this project and requested that the Commission give consideration to having the staff's director of legal services, Mike Dwyer, perform these services. The Commission concurred with the State Engineer's request.

**REPORT ON BURLINGTON
DAM STATUS
(SWC Project No. 1408)**

State Representative, Orlin Hanson, through the use of a map, reviewed the background of the proposed Burlington Dam project.

June 24, 1981

Mr. Hanson stated that on June 17, 1981, the Citizens United to Save the Valley and Burlington Dam supporters agreed to support and promote the implementation of the provisions as outlined in the attached Memorandum of Understanding to provide interim flood protection for the Souris River Valley in North Dakota while alternative approaches to providing permanent flood protection are investigated. The Memorandum of Cooperation, Memorandum of Understanding, and News Release as discussed by Representative Hanson are attached hereto as APPENDIX "A".

Commissioner Kramer indicated that the signators to the agreement do not represent any legal entities; therefore, the next step would be to get approval from the local legal entities.

Governor Olson suggested that after the approval of the legal entities has been obtained, the State Water Commission should then consider taking a position on the matter.

**CONSIDERATION OF RECOMMENDATIONS
FROM SELECTION COMMITTEE FOR
ENGINEERING CONSULTANT FOR
SOUTHWEST PIPELINE PROJECT
(SWC Project No. 1736)**

The Commission members heard an explanation of the detailed technical evaluation process used for receiving and evaluating proposals for carrying out the engineering work mandated by SB-2338 - legislation which requires the State Water Commission to

contract for preliminary designs for a water supply facility for supplementation of the water resources of Dickinson and the area of North Dakota south and west of the Missouri River. The evaluation process as outlined by Secretary Fahy is attached hereto as APPENDIX "B".

Secretary Fahy introduced Bob Dorothy who has been employed by the Water Commission as the Project Manager for this project and will assume these duties July 7, 1981.

Governor Olson suggested, and was agreed to by the Commission members, that following the explanation report and a discussion of the evaluation, that the Commission members then have an advisory vote whereby each Commissioner would rank in numerical order his top three choices from the six finalists for the selection of an engineering firm for the Southwest Pipeline Project.

Governor Olson indicated that this is a major project for North Dakota using North Dakota dollars and it must be protected in an ultimate sense and would insist that an award of contract to any of the six proposers has with it an absolute condition of evidence of professional insurability.

The Commission recessed their meeting at 12:00 p.m.; the meeting was reconvened at 1:30 p.m.

June 24, 1981

CONTINUED CONSIDERATION OF
RECOMMENDATIONS FROM SELECTION
COMMITTEE FOR ENGINEERING
CONSULTANT FOR SOUTHWEST
PIPELINE PROJECT
(SWC Project No. 1736)

of engineering firms with North Dakota connections.

Concern was expressed by some of the Commission members that since there are North Dakota dollars being expended for this project that the maximum benefit of North Dakota citizens be considered - including employment of North Dakota people wherever possible and consideration

In the umbrella cost estimates submitted by the six finalists, it was noted that Banner Associates submitted an amount over and above that amount authorized by the 1981 Legislature for the study.

This was confirmed by Delton Schulz representing Schulz Engineering and a partner of Banner Associates, who stated that this firm felt it could not perform the scope of services required for the amount of money allowed by the Legislature.

Commissioner Larson indicated that he felt an honest effort had been made by the Selection Committee in pursuing the problem of securing the expertise in the fairest manner possible; and the purpose of the evaluation process was to provide the best possible judgment to the Commission for their final consideration in the selection of an engineering firm.

It was moved by Commissioner Larson that the State Water Commission accept the report of the Selection Committee and the rankings in the order presented; and that the staff be allowed to negotiate in this order to provide the engineering consulting services for the Southwest Pipeline Project study:

- 1) Bartlett & West - Boyle Engineering
- 2) Houston-Kirkham, Michael
- 3) James M. Montgomery-Veigel Engineering

The motion received a second from Commissioner Kramer.

In discussion of the motion, although public relations acceptability was one of the criterion used to evaluate the engineering proposals, some of the Commission members expressed concern that local involvement should be a major factor in the selection of an engineering firm since North Dakota dollars are being expended, and whatever decision is made by the Commission will benefit or affect water development in the State of North Dakota.

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At the call of the question, the following voice vote was tabulated:

Commissioner Jacobson	-	nay
Commissioner Kramer	-	aye
Commissioner Schank	-	nay
Commissioner Larson	-	aye
Commissioner Bjornson	-	nay
Commissioner Jones	-	aye
Governor Olson	-	nay

The vote was tabulated three ayes; four nays.
The Chairman declared the motion failed.

Governor Olson requested that the Commission proceed with his suggestion of taking an advisory vote. Each Commissioner would rank in numerical order his three top choices of the six finalists for selection of an engineering firm. The Commission members were in agreement with this procedure.

Advisory vote was tabulated as follows:

Bartlett & West - Boyle Engineering	-	12 points
Houston-Kirkham, Michael	-	12 points
James M. Montgomery-Veigel Engineering	-	12 points
Regional Engineering Associates	-	4 points
TKDA-TPI-Wold Engineering	-	2 points
Banner Associates	-	0 points

It was moved by Commissioner Schank and seconded by Commissioner Jacobson that the engineering firm of James M. Montgomery-Veigel Engineering be recommended as the engineering firm for the Southwest Pipeline Project.

At the call of the question, the following voice vote was tabulated:

Commissioner Jacobson	-	aye
Commissioner Kramer	-	nay
Commissioner Schank	-	aye
Commissioner Larson	-	nay
Commissioner Bjornson	-	nay
Commissioner Jones	-	nay
Governor Olson	-	nay

The vote was tabulated two ayes; five nays.
The Chairman declared the motion failed.

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It was moved by Commissioner Jones and seconded by Commissioner Kramer that the firm of Bartlett & West - Boyle Engineering be recommended for negotiations of the engineering services for the Southwest Pipeline Project.

In discussion of the motion, Commissioner Jones indicated that the Selection Committee is to be commended for their efforts in this process. He stated the final ranking between the two top firms is a difference of several hundred points, and although the firms ranked second and third do have North Dakota connections, he is looking at this project as a long-term project and is, therefore, supportive of the firm that the Selection Committee has given the highest ranking.

At the call of the question, the following voice vote was tabulated:

Commissioner Jacobson	-	aye
Commissioner Kramer	-	aye
Commissioner Schank	-	nay
Commissioner Larson	-	aye
Commissioner Bjornson	-	nay
Commissioner Jones	-	aye
Governor Olson	-	aye

The vote was tabulated five ayes; two nays.
The Chairman declared the motion passed.

It was moved by Commissioner Jones, and seconded by Commissioner Bjornson that the engineering firm of Houston-Kirkham, Michael be designated as first alternate choice in the event negotiations should fail with Bartlett & West - Boyle Engineering.

The following voice vote was tabulated at the call of the question:

Commissioner Jacobson	-	aye
Commissioner Kramer	-	aye
Commissioner Schank	-	aye
Commissioner Larson	-	aye
Commissioner Bjornson	-	aye
Commissioner Jones	-	aye
Governor Olson	-	aye

June 24, 1981

The vote was tabulated seven ayes; zero nays.
The Chairman declared the motion unanimously
passed.

Dave Sprynczynatyk stated that the services of the Rural Water Office had been employed to contact representatives of municipalities, other entities and citizens in the southwest area to determine if they would be interested in receiving water from the southwest pipeline project. Mr. Sprynczynatyk distributed copies of a map, attached hereto as APPENDIX "C", which depicted where the greatest interest lies in receiving water. As of this date, approximately 19 communities have expressed an interest in being part of the project. Several communities have indicated they would be interested but wanted to know more about the project before a commitment is made. A couple of communities in South Dakota have also indicated their interest, along with approximately 700 members of the Southwest Water Users Rural Water District.

Secretary Fahy indicated that representatives of the Fort Berthold Indian Reservation recently met with him relative to the project and they have expressed a desire to be surveyed for possible inclusion and creation of a rural water district within the reservation. Secretary Fahy indicated that efforts will be undertaken in this matter.

BARNES COUNTY DRAIN NO. 3
(SWC Project No. 1717)

Mike Dwyer, Director of Legal Services, briefed the Commission members on Barnes County Drain No. 3. The State Engineer has approved a drainage permit, and his decision has been appealed to District Court with specifications of error for acting outside the scope of the statutes and other grounds.

Mr. Dwyer indicated that after the drainage permit had been approved, and prior to the appeal, a request was received in the State Water Commission office from Barnes County for cost participation in Barnes County Drain No. 3.

It was the recommendation of the State Engineer, and the consensus of the Commission members, that consideration of cost participation in Barnes County Drain No. 3 be deferred while the matter is under appeal.

RED RIVER DIKING STATUS
(SWC Project No. 1638)

Secretary Fahy briefed the Commission members on the status of the Red River diking problems and indicated that this item will be on the agenda for further discussion in the near future.

June 24, 1981

JULY MEETING OF
STATE WATER COMMISSION

The next meeting of the State Water Commission was scheduled for July 6 in Carrington, North Dakota. This will be a joint meeting with the North Dakota Water Users Association and the Water Management Districts Association, and the Garrison Diversion Executive Board. Members of the Commission expressed an interest in touring a portion of the Garrison project and the Carrington Irrigation Station.

It was moved by Commissioner Bjornson, seconded by Commissioner Schank, and unanimously carried, that the meeting adjourn at 3:30 p.m.


Allen I. Olson
Governor-Chairman

ATTEST:


Vernon Fahy
State Engineer and Secretary

June 24, 1981

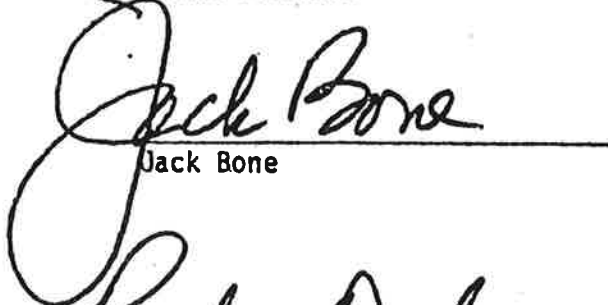
MEMORANDUM OF COOPERATION

We, the undersigned, agree on behalf of the organizations we represent to mutually and cooperatively support and promote the implementation of the provisions of the Memorandum of Understanding to provide interim flood protection for the Souris River Valley in North Dakota while alternative approaches to providing permanent flood protection are investigated, such Memorandum of Understanding signed and dated June 17, 1981.

Signed this Seventeenth day of June, 1981, by:

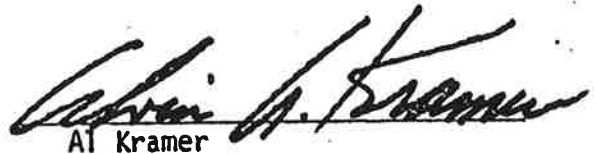

Richard Backes

Orlin Backes


Jack Bone


Orlin Hanson


Richard Johnson


Al Kramer


Laurence McMerty


Orlin Oium


Ted Solheim

RELATING TO PROVIDING INTERIM FLOOD PROTECTION FOR THE SOURIS RIVER VALLEY IN NORTH DAKOTA WHILE ALTERNATIVE APPROACHES TO PROVIDING PERMANENT FLOOD PROTECTION ARE INVESTIGATED.

GENERAL AGREEMENT

The signators of the Memorandum of Understanding agree that permanent protection from destructive flooding must be provided the citizens of the Souris Valley in North Dakota. They further agree that, to the extent possible, methods of providing this permanent protection should be acceptable to both those benefitted and those adversely affected by the construction of permanent flood protection facilities. As concerns have been expressed that alternative approaches to providing permanent protection may not have been fully explored in the past, the signators agree that the interim flood protection measures described below should be constructed as soon as possible while alternative approaches to permanent protection are cooperatively investigated and, if found feasible, promoted for implementation.

INTERIM PROTECTION

* To provide a reasonable level of interim flood protection in the Souris River Valley in North Dakota, the signators concur that alterations to Lake Darling Dam and related facilities should be immediately constructed to create a four-foot vertical rise in the flood control capabilities of that structure. These alterations should include raising the Soo Line Railroad and the four roads crossing the flood pool above the maximum operating level of Lake Darling Dam. Permanent levee construction in the rural and urban areas below Lake Darling Dam up to the J. Clark Salyer Refuge should be completed as soon as practicably possible. Channelization work should also be initiated on the Souris River below the boundaries of the Upper Souris Refuge.

INVESTIGATION OF ALTERNATIVES

During the period of construction of the interim protection features or seven (7) years, whichever period is longer, mutual and cooperative efforts will be made by the signators to investigate alternative approaches to permanent flood protection for the Souris River Valley in North Dakota. Those approaches will include, but not be limited to, the feasibility of the construction of flood control structures in the Province of Saskatchewan and the possibility of the construction of a series of water retention structures above the Des Lacs River Valley. The investigation of these alternatives is not to be construed as a rejection or diminution of support for the Burlington Reservoir authorization by the supporters of the Burlington Dam, nor does it signify support by other interests for the construction of the Burlington Reservoir. During the period of investigation, reauthorization of the Burlington Dam will not be supported by the signators to this Memorandum of Understanding. However, in the event that investigations conclusively demonstrate that alternative approaches which diminish the negative impacts of permanent flood protection in North Dakota are feasible and practicable, the signators agree to cooperatively pursue the authorization and construction of those alternative approaches. Alternatives which are feasible and practicable must demonstrate acceptability to affected landowners and be compatible to the planning and development programs of appropriate governmental entities in the United States and Canada.

Dated this Seventeenth day of June, 1981.

Chr., Bottineau County Commission

Chr., Bottineau County Water Mgt. District

Chr., Boundary Creek Water Mgt. District

Chr., Oak Creek Water Mgt. District

Chr., Willow Creek Water Mgt. District

Chr., McHenry County Commission

Chr., McHenry County Water Mgt. District

Mayor, City of Velva

Mayor, City of Sawyer

Chr., Renville County Commission

Chr., Renville County Water Mgt. District

Chr., Ward County Commission

Chr., Ward County Water Mgt. District

Mayor, City of Binot

HOUSE CHAMBER

Forty-seventh Legislative Assembly

STATE OF NORTH DAKOTA

BISMARCK 58505



Rep. Orlin "Bill" Hanson
District 3
Route 2, Box 22
Sherwood, ND 58782

Committee
Political Subdivisions
State and Federal
Government

NEWS RELEASE

Burlington Dam Stopped

A peace pact for the troubled Souris River Waterfront emerged from a Wednesday night meeting of opponents and proponents of the Burlington Dam.

The truce interrupted a decade-long battle over the controversial dam by stopping all construction or seeking of any reauthorization authority by its supporters for a period of at least seven years or longer.

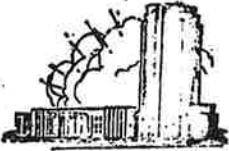
During this interim period, the two sides agreed to several points that they would work cooperatively towards.

1. Stop all construction and land acquisition on the Burlington Dam during the period of construction of the interim protection features or for seven years which ever is longer. To withdraw SB35, which is the reauthorization bill submitted to the United States Senate by Senator Burdick.

2. Add four feet to the existing height of Lake Darling Dam to be used for flood control only with the operating level to remain the same as now, which is 1,596 feet.

3. Construct additional levees and channel work beginning on the Souris River below the boundaries of the Upper Souris Refuge continuing through Minot, Sawyer, Velva and to the lower Souris in the Towner area up to the J. Clark Sayler Refuge.

Forty-seventh Legislative Assembly



STATE OF NORTH DAKOTA
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4. Raising existing road and railroad levels to keep a free flow of traffic when the Lake Darling Dam would be at its new spillway level of 1,602 feet during a flood year.

5. The agreement also calls for local, State, and Federal officials to work cooperatively with the Canadians towards a common solution to the water problem in the Souris Basin, such as Rafferty Dam near Estevan, Sask. This would include water supply for cities in both countries, water for industrial growth in Canada and flood control throughout the entire basin.

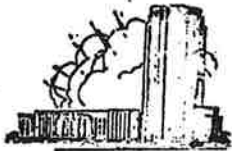
Representing Citizens United to Save the Valley at the meeting, held at the Upper Souris Refuge building at Lake Darling, were Rep. Richard Backes, D-Glenburn; Rep. Orlin Hanson, R-Sherwood; Richard Johnson, Tolley; and Orlin Oium, Towner. Appearing in behalf of Burlington Dam supporters were Alvin Kramer, T.A. Solheim, Lawrence McMerty, Jack Bone, and Orlin Backes, all of Minot.

Those present signed a memorandum pledging their accord on the new concept for the project, and they agreed to work in unison to achieve early construction and to explore a possible Canadian role in providing additional flood protection on the river.

The plan emerging from the meeting called for unified action in getting support from county boards and water management districts in Renville, McHenry, Ward and Bottineau counties, and it called for joint representation in meetings with Canadian, state of North Dakota

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and federal officials in pursuing all aspects of the compromise plan.

While no firm figures are yet available on the extent of flood control raising Lake Darling Dam would provide, the two sides felt it would be somewhere near 100 years of protection on the Souris alone at Minot. No controls of the DesLacs are stipulated in the existing plan ~~_____~~. Consideration of substitute measures for the DesLacs River basin, possibly under a state program, have not been ruled out.

Conferees have made contacts with congressional and state officials about the compromise proposal, and they said from all responses it appears a totally united front will be achieved.



NORTH DAKOTA

APPENDIX "B"

STATE WATER COMMISSION

**300 east boulevard
701-224-2750**

**bismarck 58505
north dakota**

MEMO TO: State Water Commission
FROM: Vernon Fahy, Secretary
SUBJECT: SWC Project #1736 - Southwest North Dakota Pipeline
DATE: June 24, 1981

Over the past 10 weeks, we have been deeply involved in receiving and evaluating proposals for carrying out the engineering work mandated by SB2338. This legislation requires the SWC to contract for preliminary designs for a water supply facility for supplementation of the water resources of Dickinson and the area of North Dakota south and west of the Missouri River.

This process began by the creation of a selection committee. A list showing the membership of the committee is attached. The first task of the committee was to select and define the criteria to be used to evaluate the engineering proposals received. Then independently, each member assigned a value of importance to each of these criterion. These values were subsequently averaged to provide a committee opinion of the importance value of each item. The average importance value of these criteria for a committee as a whole was not known by any of the individual members until after the interview process.

On May 1, 1981, a total of 22 engineering proposals were received. Each committee member then ranked the 10 best firms, based on the general information contained in the proposals. These individual rankings were then combined, and resulted in the six best firms being asked to provide a more detailed proposal.

Arrangements were then made for an interview with each of the six firms with the selection committee on June 22 and 23. Two weeks prior to the interviews, each firm submitted the more detailed proposal as required.

Following the interviews, each committee member assigned a rating from one to 10 for each firm for each criterion. This rating was based on the firm's apparent ability to meet the criterion. The committee rating for each criterion was then multiplied times the average importance value to arrive at a score for the criterion. These were added to determine a total score for each firm. The final ranking and total score for each was as follows:

<u>RANK</u>	<u>FIRM</u>	<u>TOTAL SCORE</u>
1.	Bartlett & West - Boyle Engineering	5406.6
2.	Houston-Kirkam, Michael	4943.0
3.	James M. Montgomery-Veigel Engineering	4942.9
4.	Regional Engineering Associates	4660.2
5.	TKDA-TPI-Wold Engineering	4522.6
6.	Banner Associates	4322.6

A more detailed breakdown of the ranking scores is attached.

One other significant item which was available to the committee was the estimated cost for each firm to do the work proposed. Exact comparisons of the cost estimates between firms cannot be made since each firm used a slightly different approach in their proposal. In some cases the level of detail provided by the firm may be greater than that provided by another firm. The firms were requested to explain their idea of the best approach to doing the work, and then assign a cost to this. In most all cases it would appear that the scope of the work to be done, and the cost to do the work could be negotiated to comply with the budget available to the State

Water Commission. The estimated costs given by each firm was as follows:

<u>FIRM</u>	<u>COST ESTIMATE</u>
Bartlett & West - Boyle Engineering	\$ 661,000
Houston-Kirkam, Michael	\$ 765,000
James M. Montgomery-Veigel Engineering	\$ 590,000
Regional Engineering Associates	\$ 722,722
TKDA-TPI-Wold Engineering	\$ 848,000
Banner Associates	\$1,042,000

Although the committee was comprised of seven members, I did not participate in assigning the importance value to the criteria, nor did I rate or rank the proposals of the firms. This work was done by the other six members of the committee. I did participate in the interviews, and served as Chairman for the Committee.



Vernon Fahy
Secretary

**Southwest North Dakota Water Supply Project
Engineering Consultant Selection Committee**

Appointees

**Burt J. Peckham
City Engineer
1609 4th Ave. NW
Minot, ND 58701
Ph: 857-4100**

**Earl Mason
Civil Engineering Professor
UND
2211 4th Ave. N
Grand Forks, ND 58201
Ph: 777-3562**

**Keith McLean
Pre Construction Engineer
State Highway Department
Bismarck, ND 58505
Ph: 224-2505**

**Andy Mork
Center Route
Mandan, ND 58554
Ph: 663-3840**

**State Water Commission Staff
224-2750**

**Vernon Fahy
State Engineer**

**David A. Sprynczynatyk
Director of Engineering**

**Dale Frink
Surface Water Hydrologist**

Criteria Ballot

<u>Criteria</u>	<u>Importance Value*</u>
1) Quality of Study Proposal	_____
2) Experience with Large Pipeline Design and Construction	_____
3) Experience with Rural Water Development	_____
4) Experience with Public Engineering Projects	_____
5) Experience with Water Treatment Plants	_____
6) Public Relations Acceptability	_____
7) Experience of Personnel Assigned to Project	_____
8) Environmental Assessments Experience	_____
9) Experience with Permit Requirements and Easements	_____
10) General Costs Associated with Engineering Firm (Includes Basic Engineering Rates, Multipliers and Travel Requirements)	_____
11) Contract Management Experience	_____
TOTAL	100

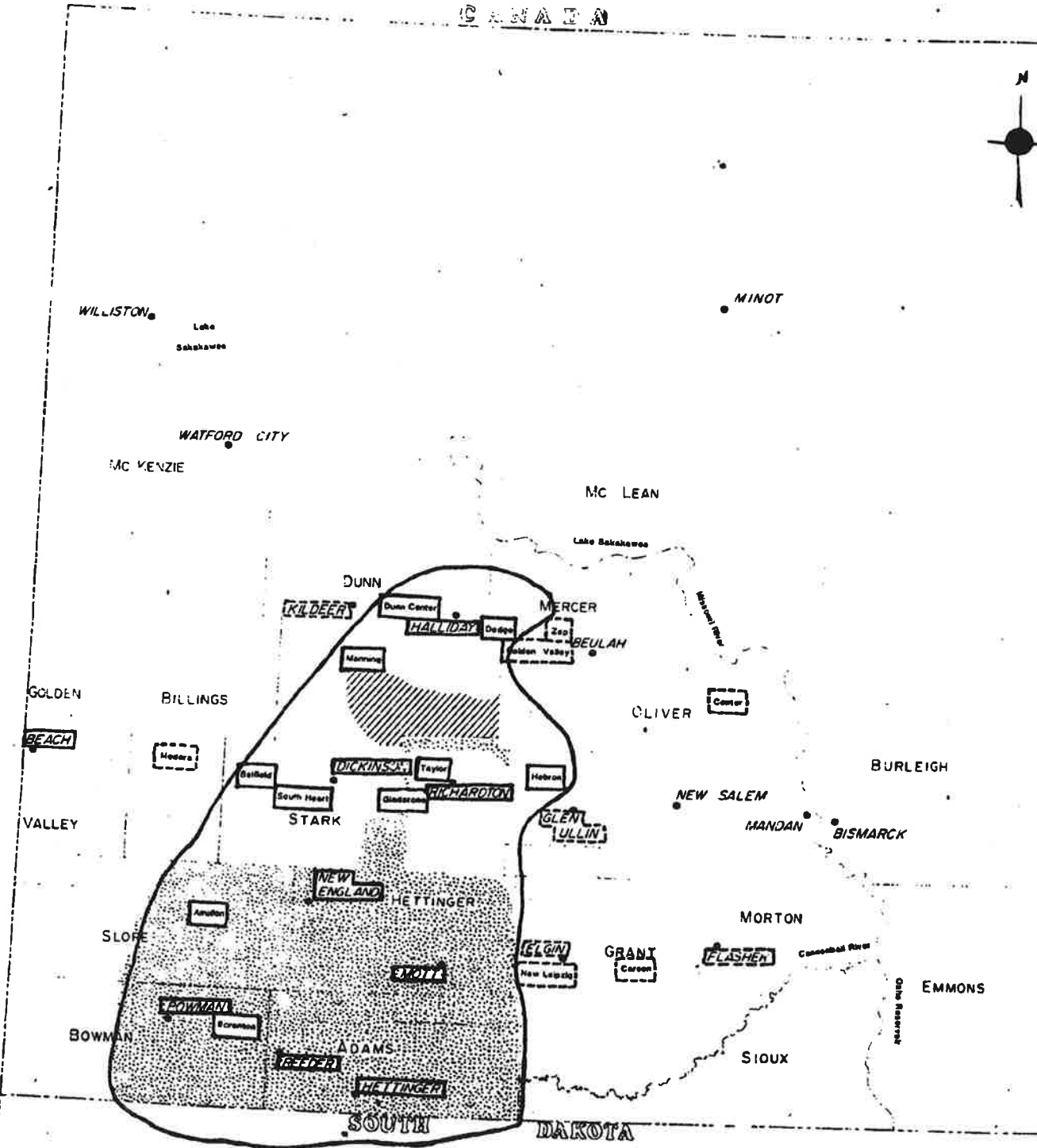
*INSTRUCTIONS: Assign a number which reflects the importance you feel the criteria should have with respect to the others. Large numbers reflect more importance and the numbers must total 100. No zero's please.

TALLY SHEET FOR FIRMS

Criteria	Average Importance Value	Banner Assoc.		TKDA Wold/TPI		Houston Kirkham-Michael		Real Assoc.		Bartlet & West Boyle		Montgomery Veigel	
		Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score
1. Quality of Study Proposal/Presentation	12.3	42	516.6	43	528.9	48	590.4	47	578.1	58	713.4	43	528.9
2. Large pipeline Experience	15.7	52	816.4	46	722.2	47	737.9	36	565.2	57	894.9	56	879.2
3. Rural Water Experience	7.7	31	238.7	36	277.2	56	431.2	54	415.8	55	423.5	42	323.4
4. City Engineering Experience	6.0	45	270.0	53	318.0	57	342.0	59	354.0	55	330.0	54	324.0
5. Water Treatment Experience	6.5	47	305.5	48	312.0	57	370.5	52	338.0	54	351.0	52	338.0
6. Public Relations Acceptability	9.7	34	329.8	49	475.3	53	514.1	58	562.6	46	446.2	43	417.1
7. Environmental Experience	6.8	48	326.4	42	285.6	45	306.0	42	285.6	48	326.4	47	319.6
8. Permit & Easement Experience	6.8	45	306.0	50	340.0	48	326.4	54	367.2	51	346.8	50	340.0
9. Experience of Individuals Assigned	13.2	51	673.2	50	660.0	49	646.8	41	541.2	59	778.8	53	699.6
10. General Cost of Proposal	6.3	20	126.0	36	226.8	39	245.7	45	283.5	52	327.6	47	296.1
11. Contract Management Experience	9.0	46	414.0	43	387.0	48	432.0	41	369.0	52	468.0	53	477.0
TOTAL SCORE	100.0		4322.6		4533.0		4943.0		4660.2		5406.6		4942.9

APPENDIX "C"

CANADA



SOUTHWEST AREA WATER SUPPLY SYSTEM

-  Area with interest
-  Towns with definite interest
-  Area with signed up members
-  Towns with some interest

NORTH DAKOTA STATE WATER COMMISSION BISMARCK, N D