

negotiate the contact with NBBJ, for the design of the court room facilities. It was felt it would be more efficient to use the architect who designed the jail to design this portion. If unable to reach a suitable agreement with NBBJ that will be of benefit to the County, the Department will return to the Board for further discussions. The Department of Public Works will proceed on that basis.

Report on Gages Slough Drainage

Don Nelson, Flood Control Coordinator, met with the Board as requested to present a proposal to correct the drainage problems at Gages Slough. The Slough has a long history of drainage problems, the most severe is near the outlet west of Interstate No. 5. Don felt the reasons for this condition are (1) encroachment and lack of maintenance along the channel waterway, (2) a very flat channel grade with cross culverts at the downstream end higher than the culverts upstream; (3) an inadequate outlet to the Skagit River; (4) increased demand on the water way due to upstream development.

Past attempts to correct these conditions along the entire Gages Slough waterway have been unsuccessful. Don today recommended the area most severely effected, that part of Gages Slough from Interstate 5 to the outlet, be addressed as follows:

Construct and install a 5000 G.P.M. pump station on Gages Slough at the east end of Bennett Road. He felt that would make it unnecessary to reconstruct the culvert crossing on Pulver Road which is too high. There is close access to three phase power at this location. The pump's holding pond is located at a safe distance from the toe of the Skagit River Levee.

He added the pump station should be designed to accommodate additional pumps should it become necessary. A series of smaller pumps has several advantages over one large pump. At times of lower flow, the station is not over pumping. Should a breakdown occur in one of the pumps, the total output of the station is not lost.

He also recommended cleaning the channel of Gages slough from the proposed pump site upstream to McCorquendale Road and excavate to the best grade possible. In addition, reconstruct the field crossing about midway between the proposed pump station and McCorquendale Road and replace at grade as it is about one foot too high as it exists.

Don recommended the establishment of a sub-flood control zone for that area of the County west of the Burlington City Limits and east of Pulver Road and establishment of a contractual agreement with the City of Burlington and the Department of Transportation to assist in construction, maintenance, and operation of the system. Provisions addressing increased drainage from future development from within the City of Burlington should be a part of this contract.

Don offered a cost estimate for the work he recommended. The total cost of this project was estimated at \$60,000. Of the 2700 acres in the area, 1200 is in Burlington and 1500 in the County. Don estimated Burlington's share of the cost at 40%, or \$24,000. The Department of Transportation's share was estimated at 13%, or \$1,700. Twenty-seven percent would be charged to the landowners, or \$16,200, with the remaining percentage from the County.

A discussion was held. Bob Boudinot, Burlington Engineer, was asked if he felt the proposal would be a worthwhile effort that makes sense technically. Bob felt from a technical standpoint he felt it was an adequate solution to the problem.

Commissioner Miller felt a water level would have to be established. Bob stated there is historic information of the level of the slough that can be used to establish a water level.

Bob stated that for many years his firm has functioned as engineers for the City of Burlington and have been involved in drainage problems. He mentioned that Gages Slough is the principal drainage way for the City of Burlington's storm drainage system. The city has had many problems in management and administration of the slough, but there is little they are able to do without a funding source. As the City and County grow the impact on the slough will increase. The City Council is aware of the problem and is interested in finding a solution. In the past the County has attempted to establish a Sub Flood Control Zone and this has not been successful because the people on the upper end were opposed to it. Many are citizens of Burlington. He felt he could state for the Council they are interested in cooperating to find a solution to the problem, but funding would be a great problem at this time. He did not know to what extent they could participate.

Don Nelson pointed out if the Sub Flood Control Zone was formed as he suggested that would give (1) the legal means to function (2) authority to contract with the City and Department of Transportation, (3) there is some discussion of a mall being constructed that will add more drainage. Formation of a zone would allow taking measures to see the contractor mitigates their drainage problems, (4) once the pump is installed it has to be maintained and the zone would be the vehicle to do that.

Mr. Brown of the Department of Transportation wondered if a 5000 G.P.M. pump would be large enough to handle the water. Don pointed out that Bob Boudinot had done a study of one year on the slough, the Skagit River, and rainfall. He has reviewed the study and there does not appear to be a relationship between the river level and the Gages Slough level, Bob Boudinot agreed.

Don suggested that he meet with the Burlington City Council, and that after that a public hearing be called regarding formation of a zone as proposed with contractual agreements with Burlington and DOT.

The Board agreed it would like to see something started. They have tried the other means and they have not worked. Don was authorized to proceed on that basis. To meet with the City Council and then return to the Board for further discussions and authorization to proceed with the public hearing. No formal action was taken today, the discussion was for informational purposes only.

Mayor Henery of the City of Burlington stated October 1 is their deadline for the 1983 budget. He wished to have the needed information by that time. Jack Rafter pointed out a permit process has to be followed, and construction could not take place until 1983. The Department of Public Works felt everything could be in line by October, 1982.

Award of Bid, Lagoon Homogenator Pump Unit

Jack Rafter recommended that the bid for one Lagoon Pump Homogenator Unit, Irrigati Pipe and Hauling Trailer be awarded to the lowest bidder, Northwest Farm Equipment Company of Mount Vernon, for the total price of \$12,980.36, including Washington State Sales Tax. Approval was given by motion of Commissioner Miller, second by Commissioner Mansfield. Motion carried by majority vote of the Board.
(Resolution 9377).