

15 JUN 1977

MEMO FOR: RECORD

SUBJECT: SOP Meeting for Skagit River General Design Memorandum
Plan of Study

1. On 13 June 1977 an SOP #1 Meeting was held to discuss the Skagit Levee and Channel Improvements General Design Memorandum (GDM) Plan of Study. The purpose of the meeting was to agree on the Plan of Study prior to submittal to NPD. The following were in attendance:

Sidney Knutson	Engineering Division
Bob Frey	Real Estate Division
Ed Derrick	Design Branch
Pete Denny	Planning Branch
Tom Ward	F&M Branch
Ray Skrinde	Regional Planning Section
Forest Brooks	Regional Planning Section
Jim Newman	Regional Planning Section
Wynn Alsop	Regional Planning Section
Art Harnisch	Economics and Social Evaluation Sec.
Bill Spurlock	Flood Plain Mgmt Services
Robert Brown	Water Control Section
Richard Regan	Water Control Section
Neal Hanson	Civil Design Section
Stu Kissinger	Civil Design Section
Clyde Jump	Civil Design Section
Garry Rice	Specifications & Estimates Sec.

2. Mr. Brooks summarized the authorized project and the development of the Plan of Study from the cost estimates previously obtained from the work units. The milestones used for the schedule preparation were taken from change EC-1105-2-78 dated 29 April 1977. A few typographical errors were corrected on the funding schedule. Also, of the \$28,000 listed for report preparation, \$6,000 would be used by Drafting Section to prepare the final plates. The Plan of Study indicates a partial reformulation of the authorized project. The reach below Mount Vernon will probably remain very close to the authorized plan. Higher levels of protection will be considered for the reach at and upstream of Mount Vernon. The present schedule assumes that a Post-Authorization Change (PAC) may be required but that a Significant-Post Authorization Change (SPAC) will not be necessary. A SPAC would require Washington Level Coordination and resubmittal to Congress which would add at least an additional 1 1/2 to 2 years to the time necessary for GDM approval.

3. Prior to the meeting, Vern Cook of Design Branch recommended that the milestone schedule show submission of a Feature Design Memorandum (FDM)

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rather than a Phase II for the upstream area. He suggested the PB-2b show the following funding:

	<u>FY 77</u>	<u>FY 78</u>	<u>FY 79</u>	<u>TOTAL</u>
GDM	\$100,000	\$600,000	\$ 70,000	\$770,000
FDM	-	-	130,000	130,000
Plans & Specs	-	-	<u>300,000</u>	<u>300,000</u>
TOTAL	\$100,000	\$600,000	\$500,000	\$1,200,000

4. In general, discussions centered on the proposed schedule. Mr. Derrick said that Drafting Section may not have the capability to prepare the report plates at the time desired. (After the meeting, the Chief of Survey Branch said that if Drafting did not have the capability to prepare the plates, that Survey Branch probably could). Most of the work on the GDM depends on the completion of hydrology and hydraulics by Water Control Section.

5. Bob Brown of Water Control said that hydrology studies would begin in September (if study was added to intensive management list by Planning Branch) and be completed in February 1978. Dick Regan said that the survey input will help in setting up the computer model but that most of the hydraulics work must be done after the hydrology is completed. The first 2 months of hydraulics work can overlap the last 2 months of hydrologic work. Initial profiles showing existing conditions can be provided to Economics and Social Evaluation Section in June 1978 with the final design profiles to Regional Planning Section for design in August 1978. Art Harnisch of Economics and Social Evaluation Section requested two sets of discharge frequency curves: one for summer floods and one for winter floods. Bob Brown said it would be possible to develop these curves for Concrete to see whether further work on summer floods is required. Dick Regan said the only way to advance the Water Control schedule would be by using the computer during the day. Dick Regan said he would set up meeting with Jim Dahlen of ADPC, Sid Knutson, Pete Denny, and Forest Brooks to discuss this. (After the meeting, Dick Regan talked to Jim Dahlen and found out that NPD is switching to much larger computer. The constraint on computer time will be reduced and completion of hydraulic work can be advanced 6 weeks to the end of June 1978).

6. Stu Kissinger and Wynn Alsop said that project profiles are required before project design can be started. About one month of overlap can be used preparing for the design work. Regional Planning Section in coordination with Civil Design Section will start work on design in April 1978 and complete in September 1978.

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7. After the design is completed, about 3 months will be required to prepare the draft General Design Memorandum and another six months to complete the final GDM for submittal to NPD. The schedule for submittal of the Draft GDM would be December 1978 and for the final GDM May 1979.

8. As a result of the meeting the following actions are required:

- a. Water Control to set up meeting between ADPC, Engineering Division, Planning Branch, Water Control, and Regional Planning (not required - new computer being installed at NPD will enable Water Control to advance completion of hydraulic work by 6 weeks).
- b. Based upon impact from the meeting, Regional Planning Section will revise the schedule and circulate it for review. Regional Planning will also revise the Plan of Study as appropriate and submit to NPD. No additional SOP meeting is planned to discuss the Plan of Study.
- c. Planning Branch will give the study priority by adding it to the Intensive Management list and whatever other actions are required.
- d. Regional Planning Section will issue work requests concerning the work scheduled for fiscal year 1977 in the Plan of Study.

BROOKS

cc:

Ch, Engr Div
Ch, Real Estate Div
Ch, Plng Br
Ch, Design Br
Ch, F&M
Ch, Survey
Ch, Prog Dev
Ch, Reg Plng
Ch, Water Control
Ch, FPMS
Ch, ERS
Ch, Econ
Ch, Civil Des
Ch, Spec & Est
Ch, Prog & Cost Anal

Brooks

Cooke

McKinley

RP file