



15

DEPARTMENT OF  
PUBLIC WORKS

CITY OF SACRAMENTO  
CALIFORNIA

1391-35TH AVENUE  
SACRAMENTO, CA  
95822-2911

DIVISION OF  
FLOOD CONTROL AND SEWERS

916-449-5271

February 19, 1991

Budget and Finance Committee  
Sacramento, California

Honorable Members in Session:

**SUBJECT: AUTHORIZATION OF THE CITY MANAGER AND CITY CLERK TO AMEND AN AGREEMENT WITH CAMP DRESSER & McKEE, INC. CONSULTING ENGINEERS FOR STUDY OF MORRISON CREEK FLOOD CONTROL IMPROVEMENTS (CIP WC86).**

#### SUMMARY

An increase in the scope of consultant studies of flood control improvements to South Sacramento Urban Levees and Tributaries is needed. The additional studies are needed on Elder and Unionhouse Creeks to identify a feasible federal/state/City channel and levee improvement project. Because of its heavy workload on other regional flood control projects, the Corps of Engineers has not been able to undertake the Elder and Unionhouse 205 Reconnaissance Study in conformance with the schedule required by the City. In addition, the Division desires to expand the assessment of South Sacramento local flood control needs to include all City reaches of the Morrison Creek Stream Group channels. Therefore, it is requested that Capital Improvement Project WD01 - "Levee/Channel Investigations" be defunded, that \$30,000 of the funds transferred to the Storm Drainage Fund Contingency Reserve be appropriated to Capital Improvement Project WC86 - "Morrison Creek Section 205 Study", and that the City Manager and City Clerk be authorized to execute an amended agreement with Camp Dresser and McKee, Incorporated, Consulting Engineers, increasing the maximum fee by the amount of \$85,000.

#### BACKGROUND INFORMATION

In July 1990, City Council approved initiation of feasibility studies of flood control projects on lower Morrison, Florin, and Strawberry Creeks. These studies by the City's consultant were to be integrated by mid-1991 with recommendations of a pending Corps of Engineers Section 205 Reconnaissance Study of improvements to Elder and Unionhouse Creeks. City consultant studies and the associated Corps hydrology studies have proceeded on schedule. However, the Corps has been unable to complete the Elder/Unionhouse studies because of the demands upon their staff from the American and Sacramento River regional flood control project studies. In order to meet the proposed schedule for the South Sacramento Urban Levees and Tributaries (SSULT) flood control program, staff recommends that the scope of work of the existing City consultant be expanded to include completion of the Corps Elder/Unionhouse study.

Also, staff recommends that the consultant's scope of work be further increased to include studies of all channels of the Morrison Creek Stream Group which lie within the City and a reach in the County near Highway 99 which may limit flood protection within the City. Because revised Corps' estimates of flood flows are now available, a comprehensive project for all channel reaches which pose risk to the City is desirable. It is proposed that engineering and environmental studies for the comprehensive set of projects be accomplished at this time, and a scope of work for the first phase of this program has been negotiated with the City's consultant.

**FINANCIAL DATA**

It is recommended that Capital Improvement Project WD01, "Levee/Channel Investigations", (425-500-WD01-4802) be defunded and that funds in the amount of \$40,000 be transferred to the Storm Drainage Fund Contingency Reserve (425-710-7012-4999). The purpose of this CIP was to determine, through consultant studies, ultimate capacities of the various streams passing through the City and to redefine floodplains based upon these capacities. The studies have not been performed because sufficiently high flood flows have not occurred in recent years. With the prospect of a channel improvement project on most of the Morrison Creek Stream Group channels, there is no longer a need for this project.

The additional engineering and environmental studies will be funded through approved CIP WC86, "Morrison Creek Section 205 Study" (425-500-WC86-4802), which has an unobligated balance of \$63,000, as of January 24, 1991. The current agreement with Camp Dresser & McKee Inc. is for an amount of \$175,000, agreement number 90-120. Amendment Number 1 will increase this agreement by an additional \$85,000 for a total not-to-exceed of \$260,000. The additional \$30,000 needed is to be appropriated from the Storm Drainage Contingency Reserve funds (425-710-7012-4999).

**POLICY CONSIDERATIONS**

Criteria and procedures used for the original consultant selection were based upon City policy.

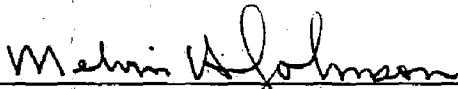
**MBE/WBE EFFORTS**

The selected engineering consultant is not an MBE/WBE firm. MBE/WBE firms were encouraged to participate in the City's selection process by submission of qualification statements and proposals.

**RECOMMENDATION**


It is recommended that the Budget and Finance Committee forward the attached resolution to the City Council with a recommendation for approval.

Respectfully submitted,

  
for Albert E. McCollam, Jr., Division Manager  
Flood Control and Sewers Division

RECOMMENDATION APPROVED:

  
Jack Crist, Deputy City Manager

  
Melvin H. Johnson, Director of Public Works

# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

RESOLUTION DEFUNDING CIP WD01, TRANSFERRING FUNDS TO THE STORM DRAINAGE FUND CONTINGENCY RESERVE, APPROPRIATING FUNDS TO CIP WC86, AND AUTHORIZING THE CITY MANAGER AND CITY CLERK TO AMEND AN AGREEMENT WITH CAMP DRESSER & McKEE, INCORPORATED CONSULTING ENGINEERS FOR STUDY OF FLOOD CONTROL IMPROVEMENTS (CIP WC86)

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SACRAMENTO THAT:

- 1) Capital Improvement Project WD01, "Levee/Channel Investigations", (425-500-WD01-4802) is defunded and funds in the amount of \$40,000 are transferred to the Storm Drainage Fund Contingency Reserve (425-710-7012-4999).
- 2) Funds in the amount of \$30,000 are appropriated from the Storm Drainage Fund Contingency Reserve (425-710-7012-4999) to Capital Improvement Project WC86, "Morrison Creek Section 205 Study", (425-500-WC86-4802).
- 3) The City Manager and City Clerk are hereby authorized to amend an agreement with Camp Dresser and McKee, Incorporated, Consulting Engineers, increasing the original maximum fee of \$175,000 by the amount of \$85,000 for a new not-to-exceed amount of \$175,000.

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: \_\_\_\_\_

DATE ADOPTED: \_\_\_\_\_

CITY OF SACRAMENTO

**CONTRACT MODIFICATION TO CITY AGREEMENT #90207**

PN/PJ: WC86-2.

Division: Flood Control & Sewers

Project Name: South Sacramento Urban Levees and Tributaries

City Agreement # 90120, with:

Camp Dresser & McKee Incorporated  
One Walnut Creek Center  
100 Pringle Avenue, Suite 300  
Walnut Creek, CA 94596

is hereby amended as follows:

EXHIBIT A

The contract **SCOPE OF WORK** shall be increased to expand the scope of Tasks 1.2, 1.4, 1.5, 1.6, 1.7, and 1.8 as described in the attached letter proposal, a supplement to Attachment A of Exhibit A.

EXHIBIT B (changes are underlined)

1. Payment under this contract for all services will not exceed \$260,000. Payment for Tasks 1.1 through 1.8, inclusive, shall not exceed \$248,000.

Executed this \_\_\_\_\_ day of February, 1991.

THE CITY OF SACRAMENTO  
A Municipal Corporation

CONSULTANT

\_\_\_\_\_

\_\_\_\_\_

(Title)

Senior Vice President  
\_\_\_\_\_  
(Title)

ATTEST:

\_\_\_\_\_  
CITY CLERK

WC86-2.ADD

Creek Name	EXISTING LAND USE						FUTURE LAND USE					
	Freq. ( Yrs )		Granite Pit		Economics		Freq. ( Yrs )		Granite Pit		Economics	
	100	200	With	Without	Benefits	Costs	100	200	With	Without	Benefits	Costs
Evaluate existing channel and levee conditions and formulate channel and levee alternatives. This information was to have been provided by Corps of Engineers from their 205 project.	Elder <sup>1</sup>						●	●		●	●	●
	Unlonhouse <sup>1</sup>						●	●		●	●	●
	Lower Morrison <sup>1</sup>						●	●		●	●	●
Formulate and analyze channel and levee improvements using existing 1990 peak flows. Based upon the condition that all future developments in the upstream watershed will be required to detain or retain increases in runoff over existing runoff rates.	Elder <sup>1</sup>	●	●		●	●						
	Unlonhouse <sup>1,2</sup>	●	●		●	●						
	Florin <sup>1</sup>	●	●		●	●						
	Strawberry <sup>1,2</sup>	●	●		●	●						
	Morrison <sup>1</sup>	●	●		●	●						
Perform hydraulic review and analysis, formulate and analyze channel and levee improvement alternatives and economic analyses for the following mainstream reaches of Morrison Creek that are not included in the current scope of work: Franklin Blvd. to Stockton Blvd. ( In County ) and Stockton Blvd. to Elk Grove-Florin Rd. ( In City )	Morrison <sup>1</sup>	●	●		●	●	●	●	●	●	●	●

● Denotes work to be performed

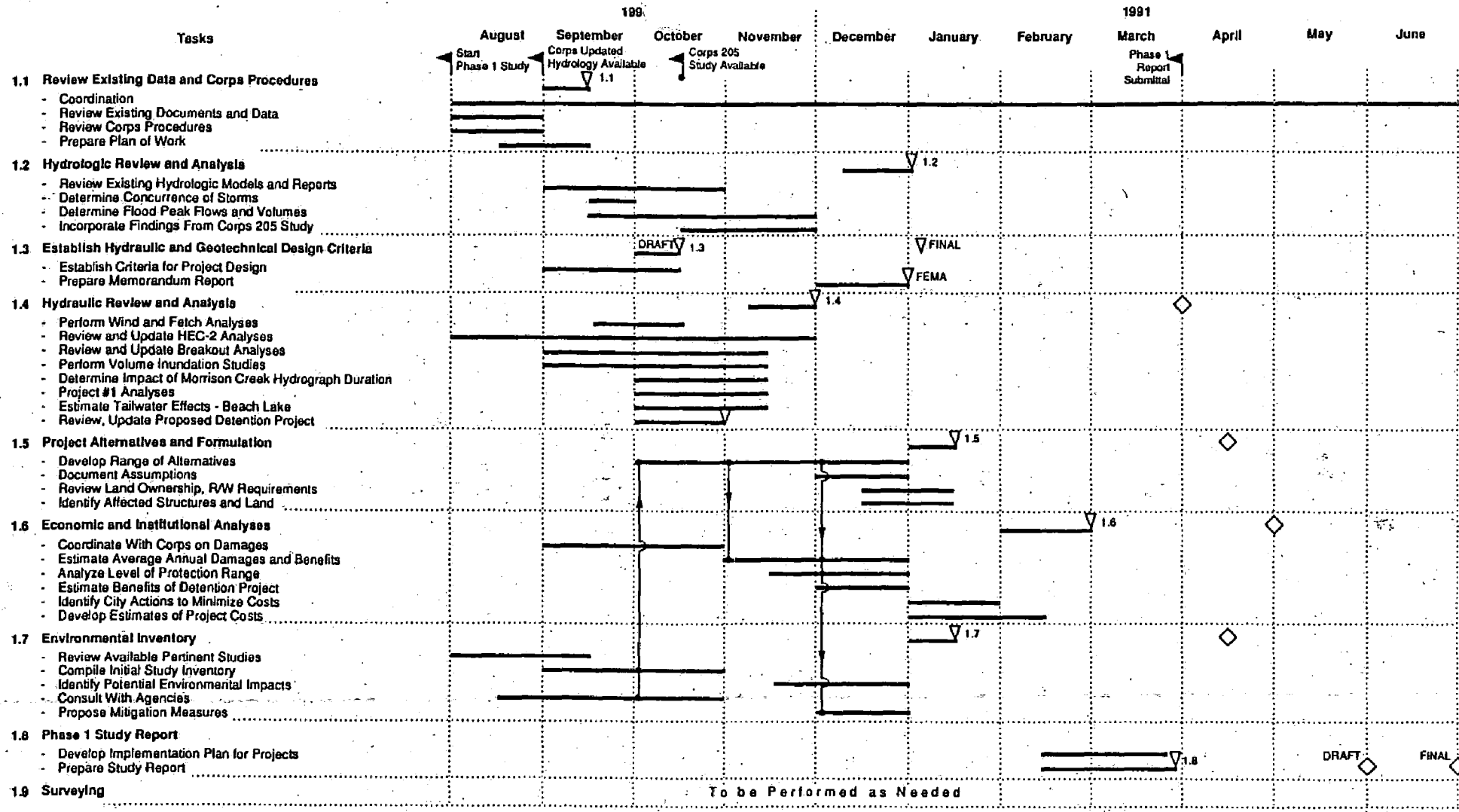
Footnotes \_\_\_\_\_

- Analyses will be based upon existing conditions at Lambert Road and in the Delta.
- May not be necessary. Will be dependent upon the definition of "existing conditions." ( Existing 1990 land use plus approved land development project may reach future land use conditions.)

## Additional Services Related to Tasks 1.2, 1.4, 1.5, 1.6, 1.7, and 1.8

South Sacramento Urban Levees  
and Tributaries Project

4



- Legend**
- ▲ Key Dates
  - ▽ Prepare Memorandum Report and Submit
  - ◇ Revisions of February 7, 1991, for Additional Services

**Phase 1  
Project Schedule**  
South Sacramento Urban Levees  
and Tributaries Project



environmental engineers, scientists,  
planners, & management consultants

February 7, 1991

CAMP DRESSER & MCKEE INC.

One Walnut Creek Center  
100 Pringle Avenue, Suite 300  
Walnut Creek, California 94596  
415 933-2900 Fax No. 415 933-4174

Mr. Craig Crouch  
Senior Engineer  
City of Sacramento  
Division of Flood Control & Sewers  
1391 35th Avenue  
Sacramento, CA 95822-2911

South Sacramento Urban Levees  
and Tributaries Project

Dear Mr. Crouch:

We have prepared and are pleased to submit this proposed to perform additional services in connection with South Sacramento Urban Levees and Tributaries Project.

**PROPOSED ADDITIONAL SERVICES**

Based upon our February 5 discussions at your office, we have prepared the enclosed one page listing of proposed additional services, the listing is divided into three categories that are related to Tasks 1.2, 1.4, 1.5, 1.6, 1.7, and 1.8 of the current scope of work.

**TIME OF PERFORMANCE**

We can begin work upon receipt of written authorization from the City, and will complete the tasks as shown on the updated Phase 1 Project Schedule.

**COMPENSATION**

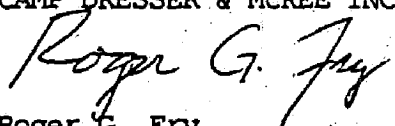
Compensation for the additional services described herein shall be based upon total hours worked on the project by each employee multiplied by CDM's and subcontractor's hourly salary rates as specified in the current agreement of July 16, 1990, PN/PJ WC86-2. It is estimated that the level of effort in performing the additional services listed herein will be \$97,000.

**CONCLUSIONS**

We are available to immediately begin work on the additional services. Please call if you have any questions regarding our proposed scope of work.

Very truly yours,

CAMP DRESSER & MCKEE INC.

  
Roger G. Fry  
Associate

Enclosures: Listing of Additional Services  
Project Schedule

cc: Jack Buckley

# CDM

environmental engineers, scientists,  
planners, & management consultants

February 7, 1991

CAMP DRESSER & MCKEE INC.

One Walnut Creek Center  
100 Pringle Avenue, Suite 300  
Walnut Creek, California 94596  
415 933-2900 Fax No. 415 933-4174

Mr. Craig Crouch  
Senior Engineer  
City of Sacramento  
Division of Flood Control & Sewers  
1391 35th Avenue  
Sacramento, CA 95822-2911

## South Sacramento Urban Levees and Tributaries Project

Dear Mr. Crouch:

We have prepared and are pleased to submit this proposed to perform additional services in connection with South Sacramento Urban Levees and Tributaries Project.

### PROPOSED ADDITIONAL SERVICES

Based upon our February 5 discussions at your office, we have prepared the enclosed one page listing of proposed additional services, the listing is divided into three categories that are related to Tasks 1.2, 1.4, 1.5, 1.6, 1.7, and 1.8 of the current scope of work.

### TIME OF PERFORMANCE

We can begin work upon receipt of written authorization from the City, and will complete the tasks as shown on the updated Phase 1 Project Schedule.

### COMPENSATION

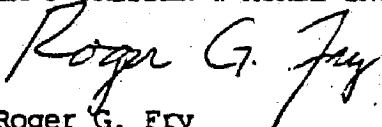
Compensation for the additional services described herein shall be based upon total hours worked on the project by each employee multiplied by CDM's and subcontractor's hourly salary rates as specified in the current agreement of July 16, 1990, PN/PJ WC86-2. It is estimated that the level of effort in performing the additional services listed herein will be \$97,000.

### CONCLUSIONS

We are available to immediately begin work on the additional services. Please call if you have any questions regarding our proposed scope of work.

Very truly yours,

CAMP DRESSER & MCKEE INC.



Roger G. Fry  
Associate

Enclosures: Listing of Additional Services  
Project Schedule



CITY OF SACRAMENTO

CONTRACT MODIFICATION TO CITY AGREEMENT #90207

PN/PJ: WC86-2  
Division: Flood Control & Sewers  
Project Name: South Sacramento Urban Levees and Tributaries

City Agreement # 90120, with:

Camp Dresser & McKee Incorporated  
One Walnut Creek Center  
100 Pringle Avenue, Suite 300  
Walnut Creek, CA 94596

is hereby amended as follows:

EXHIBIT A

The contract SCOPE OF WORK shall be increased to expand the scope of Tasks 1.2, 1.4, 1.5, 1.6, 1.7, and 1.8 as described in the attached letter proposal, a supplement to Attachment A of Exhibit A.

EXHIBIT B (changes are underlined)


1. Payment under this contract for all services will not exceed \$260,000. Payment for Tasks 1.1 through 1.8 inclusive, shall not exceed \$248,000.

Executed this \_\_\_\_\_ day of February, 1991.

THE CITY OF SACRAMENTO  
A Municipal Corporation

CONSULTANT

\_\_\_\_\_

  
\_\_\_\_\_

(Title)

*Senior Vice President*  
\_\_\_\_\_  
(Title)

ATTEST:

\_\_\_\_\_  
CITY CLERK

WC86-2.ADI

Creek Name	EXISTING LAND USE						FUTURE LAND USE					
	Freq. ( Yrs )		Granite Pit		Economics		Freq. ( Yrs )		Granite Pit		Economics	
	100	200	With	Without	Benefits	Costs	100	200	With	Without	Benefits	Costs
Evaluate existing channel and levee conditions and formulate channel and levee alternatives. This information was to have been provided by Corps of Engineers from their 205 project.	Elder <sup>1</sup>						●	●		●	●	●
	Unionhouse <sup>1</sup>						●	●		●	●	●
	Lower Morrison <sup>1</sup>						●	●		●	●	●
Formulate and analyze channel and levee improvements using existing 1990 peak flows. Based upon the condition that all future developments in the upstream watershed will be required to detain or retain increases in runoff over existing runoff rates.	Elder <sup>1</sup>	●	●		●	●						
	Unionhouse <sup>1,2</sup>	●	●		●	●						
	Florin <sup>1</sup>	●	●		●	●						
	Strawberry <sup>1,2</sup>	●	●		●	●						
	Morrison <sup>1</sup>	●	●		●	●						
Perform hydraulic review and analysis, formulate and analyze channel and levee improvement alternatives and economic analyses for the following mainstream reaches of Morrison Creek that are not included in the current scope of work: Franklin Blvd. to Stockton Blvd. ( In County ) and Stockton Blvd. to Elk Grove-Florin Rd. ( In City )	Morrison <sup>1</sup>	●	●		●	●	●	●	●	●	●	●

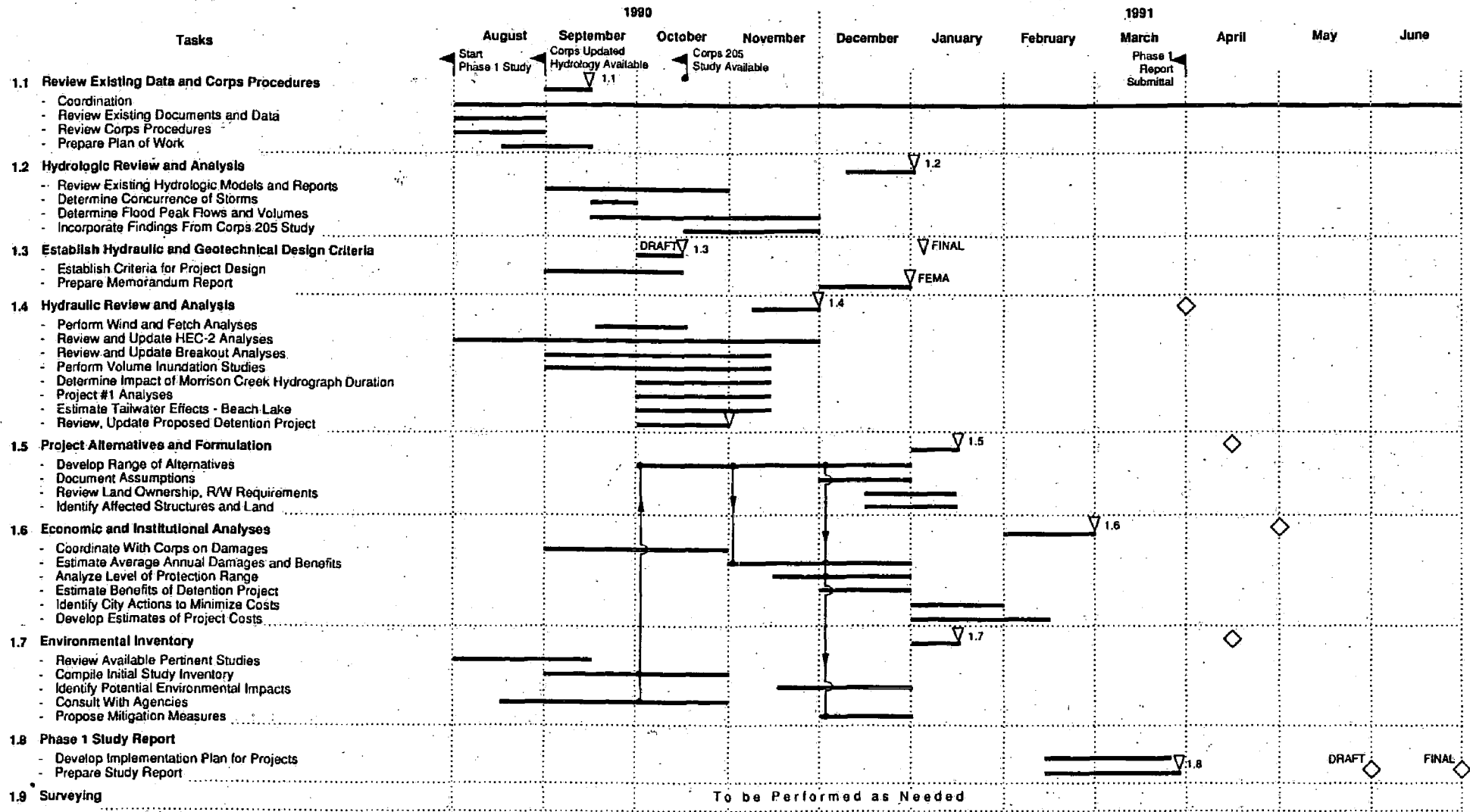
● Denotes work to be performed

Footnotes \_\_\_\_\_

- Analyses will be based upon existing conditions at Lambert Road and in the Delta.
- May not be necessary. Will be dependent upon the definition of "existing conditions." ( Existing 1990 land use plus approved land development project may reach future land use conditions.)

## Additional Services Related to Tasks 1.2, 1.4, 1.5, 1.6, 1.7, and 1.8

### South Sacramento Urban Levees and Tributaries Project



**Legend**

- ▲ Key Dates
- ▽ Prepare Memorandum Report and Submit
- ◇ Revisions of February 7, 1991, for Additional Services

**Phase 1  
 Project Schedule**  
 South Sacramento Urban Levees  
 and Tributaries Project