



Office of the City Manager

CONSENT CALENDAR  
November 15, 2005

To: Honorable Mayor and  
Members of the City Council  
From: *PK* Phil Kamlarz, City Manager  
Submitted by: Claudette R. Ford, Acting, Public Works  
Subject: Contract: Sanitary Sewer Project

RECOMMENDATION

Adopt a Resolution approving plans and specifications for the Sanitary Sewer Project located at Shattuck Avenue between University Avenue and Rose Street; accepting the bid of Insituform Technologies, Inc.; and authorizing the City Manager to execute a contract and any amendments, extensions and change orders until completion of the project in accordance with approved plans and specifications, in an amount not to exceed \$300,091 from the Sewer Capital Improvement Fund for the period of 120 calendar days.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available in an allocation from the FY 2006 Sewer Capital Improvement Project budget. No other funding is required, and no other projects will be delayed due to this expenditure.

Low bid by Insituform Technologies, Inc.....	\$272,810
10% Contingency.....	\$27,281
<b>Total construction cost .....</b>	<b>\$300,091</b>

Budget Codes:

830-5303-432-6510-06SR02 .....	\$192,810
830-5303-432-6510-06SR03 .....	\$80,000
830-5303-432-6510-06SR02 (10% Contingency).....	\$27,281
<b>Total construction cost .....</b>	<b>\$300,091</b>

Contract Management System (CMS) # AX4CX.

CURRENT SITUATION AND ITS EFFECTS

The sanitary sewer collection system within this project is quite old and subject to pipe failures, sewer blockages, and frequent leakage problems. Field investigations performed using a closed circuit television camera indicated root infiltrations from City trees, pipe defects, and open joints in the existing sewer mains. City maintenance crews have received complaints and have records of recurring sewer leakages and backup problems at these locations.

The sewer rehabilitation project locations as shown on the attached location map (Attachment A) are located at the west side of Shattuck Avenue between University Avenue and Rose Street. A trench less technology method of construction utilizing a cured-in-place pipe liner will be used to rehabilitate the sewer line. This will minimize the construction impact and disturbance to business and traffic along Shattuck Avenue.

This sanitary sewer project is part of the City's ongoing program to rehabilitate or replace the aging sewer system, and to eliminate potential health hazards to the public.

### BACKGROUND

The City, in compliance with the Environmental Protection Agency (EPA) and Regional Water Quality Control Board (RWQCB) Cease and Desist Order to eliminate sewage overflows and reduce storm water infiltration and inflow into the sanitary sewer system, has implemented a long-term, mandated Sanitary Sewer Capital Improvement Program.

This is the eighteenth year of a 30-year compliance plan. There have been significant accomplishments in both the reduction of sewage overflows and the replacement and upgrading of the City's portion of the sanitary sewer system.

The project was released for bid on September 9, 2005, and bids were opened on September 29, 2005. Three (3) non-local bids were received from a low of \$272,810 to a high of \$457,000 (Attachment B). Insituform Technologies, Inc. of Benicia, California is the lowest responsive and responsible bidder, and it is recommended that a contract for this project be awarded to this firm.

Contracted services are required for these large, complex projects. The City does not have the in-house labor or equipment resources to complete the sanitary sewer rehabilitation and replacement sewer projects.

The Living Wage Ordinance does not apply to this project, since Public Works construction contracts are subject to state prevailing wage laws. Insituform Technologies, Inc. has submitted a Certification of Compliance for the Equal Benefits Ordinance.

### RATIONALE FOR RECOMMENDATION

The work to be done consists of in general, rehabilitation of approximately 4,000 linear feet of 8-inch diameter sanitary sewer, construction of manholes, and related work.

The scope of work for all sewer projects includes additional funds for emergency/urgent work and contingency construction services for as needed locations within the City of Berkeley.

### ALTERNATIVE ACTIONS CONSIDERED

No alternative action was considered for the replacement and rehabilitation of the existing sewer main. This project went through a sequence of different stages such as planning, preliminary cost estimates, field investigations, surveys, and design prior to the implementation of the project.

CONTACT PERSON

Claudette R. Ford, Acting Director of Public Works..... 981-6300  
Jeffrey L. Egeberg, Manager of Engineering..... 981-6406

Attachments:

- 1: Resolution
- 2: Location Map
- 3: Bid Result

RESOLUTION NO. -N.S.

CONTRACT FOR SANITARY SEWER PROJECT WITH INSITUFORM TECHNOLOGIES, INC.

WHEREAS, the Sanitary Sewer Project located at Shattuck Avenue is part of the City's on-going Sewer Capital Improvement Program to replace the aging and deteriorated sanitary sewer system; and

WHEREAS, the Capital Improvement Program is a requirement of compliance with a National Pollution Discharge Elimination System Permit and Regional Water Quality Control Board Cease and Desist Order; and

WHEREAS, the City has neither the labor nor the equipment necessary to undertake this Sanitary Sewer Project; and

WHEREAS, an invitation for bids was duly advertised, and Insituform Technologies, Inc. was determined to be the lowest responsive and responsible bidder; and

WHEREAS, funds are available in the current year budget in the Sewer Capital Improvement Project (Budget Codes 830-5303-432-6510-06SR02, 830-5303-432-6510-06SR03), and the contract has been entered in the Citywide contract database, CMS No. AX4CX.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that Plans and Specifications No. 06-10090-C for the Sanitary Sewer Project located at Shattuck Avenue are approved.

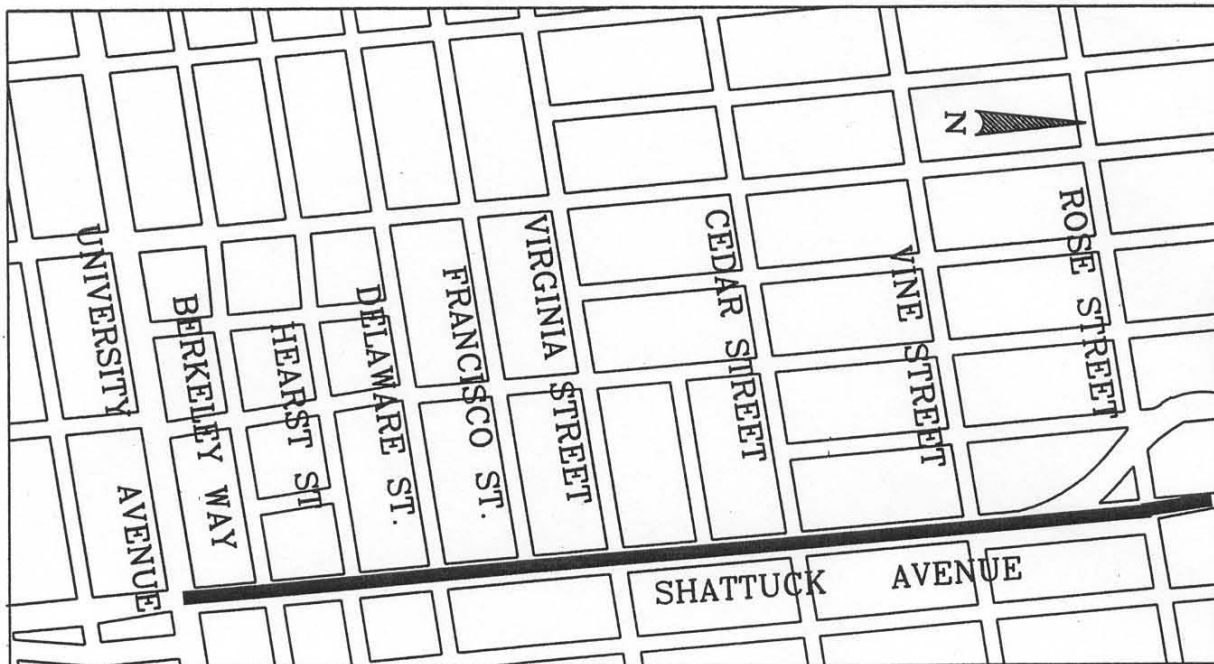
BE IT FURTHER RESOLVED, that the Council of the City of Berkeley authorizes the City Manager to execute a contract and any amendments, extensions, and change orders, until completion of the project in accordance with the approved plans and specifications with Insituform Technologies, Inc., for the Sanitary Sewer Project, in an amount not to exceed \$300,091, which includes a 10% contingency for unforeseen circumstances. A record signature copy of said agreement and any amendments to be on file in the Office of the City Clerk.

# LOCATION MAP

SANITARY SEWER REHABILITATION

**SHATTUCK AVENUE**  
(UNIVERSITY AVENUE TO ROSE STREET)

SPECIFICATION NO. 06-10090-C



## LEGEND

 CONSTRUCTION AREA

ATTACHMENT "A"

