

APPROVED
BY THE CITY COUNCIL

SEP 30 1997

OFFICE OF THE
CITY CLERK



1.5

C097-141

DEPARTMENT OF
PUBLIC WORKS

CITY OF SACRAMENTO
CALIFORNIA

927 10TH STREET
ROOM 100
SACRAMENTO, CA
95814-2702

TECHNICAL SERVICES
DIVISION

PH 916-264-8300
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September 22, 1997

City Council
Sacramento, California

Honorable Members In Session:

SUBJECT: NORTH 12TH STREET FIBER OPTIC TRUNKLINE (PN:SK51) - APPROVAL OF PLANS AND SPECIFICATIONS, ACCEPTANCE OF BID AND CONTRACT AWARD, AND APPROPRIATION OF FUNDS IN THE AMOUNT OF \$95,000

LOCATION AND COUNCIL DISTRICT:

Downtown and North Sacramento. Council Districts 1 and 2.

RECOMMENDATION:

This report recommends that the City Council:

- Approve the plans and specifications;
- Accept the bid of Royal Electric in the amount of \$541,171;
- Authorize the City Manager to execute a contract for the North 12th Street Fiber Optic Trunkline Project (PN:SK51); and
- Adopt the resolution that approves a fund appropriation in the amount of \$95,000 in Sales Tax Funds to the North 12th Street Fiber Optic Trunkline project (PN:SK51).

CONTACT PERSON:

Angie Louie, Senior Engineer, 264-7921

FOR COUNCIL MEETING OF:

September 30, 1997

SUMMARY:

This project will install fiber optic cable, interconnect cable and associated equipment along North 12th Street from Del Paso Boulevard to 12th and I Streets, tying into the traffic operations center (TOC) presently under construction at the Traffic Services Office, 1000 I Street, Suite 170. The project will allow the City to bring traffic data and communications data from the north area traffic signals to the TOC. Award of contract by September 30, 1997, is required to retain federal funding for this project.

COMMITTEE/COMMISSION ACTION:

None.

BACKGROUND INFORMATION:

- This project was authorized in the 1995/96 Capital Improvement Program.
- This project was advertised and bids were received on September 10, 1997, and are summarized below:

Contractor	Bid Amount	DBE Participation Dollars	DBE Participation	Good Faith Effort
Royal Electric	\$541,171	\$ 109,350	20.21%	N/A
Richard A. Heaps Electric	\$570,951	\$87,293	15.29%	No
M&M Electric	\$573,777	\$168,745	29.41%	N/A
Irish Construction	\$753,650	\$0	0%	*

*DBE information not submitted.

- The construction estimate was \$410,620.
- Royal Electric met the DBE goals of 20%.
- Approval of the plans and specifications and award to Royal Electric is recommended.

FINANCIAL CONSIDERATIONS:

- The estimated total project cost including all planning, design and construction, and construction engineering costs is \$650,000.
- The project budget for the North 12th Street Fiber Optic Trunkline project is \$557,000, which is comprised of Federal funds (\$482,000) and Gas Tax (202) funds (\$75,000). The unobligated fund balance in funds 511, 512, and 202 as of September 10, 1997, is not sufficient for award.
- An additional amount of \$95,000 will be transferred to the North 12th Street Fiber Optic Trunkline Project from the Upgrade, Interconnect and Synchronize Project (PN:SG86, Fund 201). Staff will pursue additional federal funding from Caltrans and will reimburse PN:SG86 if any additional funds are successfully obtained.

ENVIRONMENTAL CONSIDERATIONS:

Environmental Services has reviewed the proposed project and has determined that this project is exempt from the California Environmental Quality Act (CEQA) under Section 15304(f) of the CEQA guidelines. A Notice of Exemption was filed with the County Clerk on August 7, 1997.

City Council
North 12th Street Fiber Optic Trunkline (PN:SK51)
September 18, 1997

POLICY CONSIDERATIONS:

The action requested herein is consistent with Sacramento City Code, Title 58.

MBE/WBE EFFORTS:

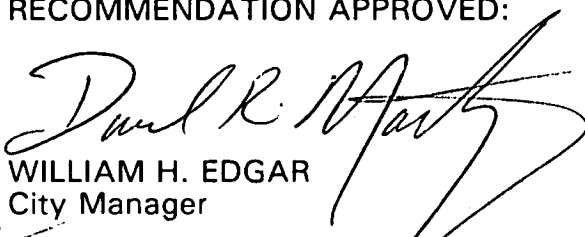
To encourage minority participation, plans and specifications were sent to 9 plan rooms and construction services organizations for publication. Four are directly involved with MBE/WBE construction firms. Staff actively recruited available MBE/WBE firms to participate in the bid process. The project was announced on the Project Information Bid Line and on the City's Internet site at www.sacto.org/bids. Project notices were sent to 30 organizations involved in MBE/WBE recruitment.

Respectfully submitted,



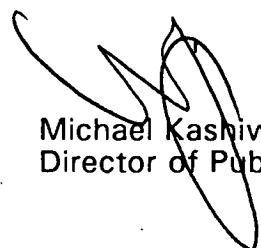
Duane J. Wray
Technical Services Manager

RECOMMENDATION APPROVED:



WILLIAM H. EDGAR
City Manager

Approved:



Michael Kashiwagi
Director of Public Works

TRAFFIC SIGNAL UPGRADE, INTERCONNECT, &

PROJECT#: SG86

Location

FY Initiated: 90/91

City Wide

Council District:

Citywide 1 2 3 4 5 6 7 8

Neighborhood Area:

Citywide NA1 NA2 NA3 NA4

Planning Area:

N/A Citywide PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8 PA9 PA10 PA11

Project Description

Install interconnect wire and related traffic signal equipment needed to implement a central computerized Traffic Signal Master Control System (TSMCS) which will provide monitoring and operations of traffic signals from a central, remote location. This project will implement the conceptual plans that were developed for the downtown area and for expansion to arterial streets outside the downtown area.

Project Objectives

Implement the TSMCS in the downtown area by upgrading and interconnecting the traffic signals and installing new equipment including communications wiring, traffic signal management software, and monitoring equipment. As traffic signals are installed on arterial street, install interconnect and related communications equipment between signals to coordinate the traffic signals to facilitate traffic flow. The interconnect, along with other equipment, also provides the ability to monitor the traffic signal operations.

Tie traffic signal networks (several interconnected signals) on arterial streets into the TSMCS to provide management of these systems at a central location.

Existing Situation

Staff presently operates and monitors ten traffic signal networks which have similar traffic management systems as proposed for the downtown area. These networks will eventually be tied into the central TSMCS. However, there are still several non-interconnected signals on various arterial street. Signals operating in this isolated manner increase stops and delays to motorists along an arterial street. Also problems in signal operations can not be identified as quickly since the signals are not tied into the TSMCS.

Operating Budget Impact

Amended	Fund Source	Budget through 6/96	Estimated Balance 6/96	Five Year Funding				
				1996-97	1997-98	1998-99	1999-00	2000-01
	Other Capital Grants	77,000	0	0	0	0	0	0
03/05/97	Measure A Projects	0	0	-364,467	0	0	0	0
04/10/97	Other Capital Grants	0	0	-32,743	0	0	0	0
	Major Street	7,500	7,500	0	0	0	0	0
	Measure A Projects	2,951,000	583,000	600,000	200,000	200,000	200,000	200,000
08/21/97	Measure A Projects	0	0	0	-85,000	0	0	0
09/02/97	Measure A Projects	0	0	0	30,000	0	0	0
9/12/97	Measure A Projects	0	0	0	-95,000	0	0	0
	TOTAL	3,035,500	590,500	202,790	50,000	200,000	200,000	200,000



1996-2001 CAPITAL IMPROVEMENT PROGRAM

NORTH 12TH STREET FIBER OPTIC TRUNK LINE

PROJECT#:	SK51
FY Initiated:	95/96

Location

North 12th Street & Del Paso Blvd.

Council District:

Citywide 1 2 3 4 5 6 7 8

Neighborhood Area:

Citywide NA1 NA2 NA3 NA4

Planning Area:

N/A Citywide PA1 PA2 PA3 PA4 PA5 PA6 PA7 PA8 PA9 PA10 PA11

Project Description

This project will install fiber optic and interconnect cable from the future Traffic Operations Center (TOC) located at the Traffic Engineering Division office at 1000 I Street Suite 170 to the north Sacramento Area. The route will start at the TOC and extend east down I Street to North 12th Street then north along North 12th Street over the American River to Del Paso Blvd. and down Del Paso Blvd. to Arden Way. This project will allow the City to bring traffic data and communications data from the north area of Sacramento back to the TOC.

Project Objectives

To bring traffic data and communications data from the north area of Sacramento to the TOC to improve traffic flow.

Existing Situation

Currently, the City lacks the ability to bring traffic data in the north Sacramento area into the TOC.

Operating Budget Impact

The City will be required to contribute \$75,000 towards this project with the State providing the remaining funds.

Amended	Fund Source	Budget through 6/96	Estimated Balance 6/96	Five Year Funding				
				1996-97	1997-98	1998-99	1999-00	2000-01
1/14/96	Other Capital Grants	0	0	53,000	0	0	0	0
3/4/97	Gas Tax 2106	0	0	75,000	0	0	0	0
8/26/97	ISTEA	0	0	0	379,794	0	0	0
8/26/97	Other Capital Grants	0	0	0	49,206	0	0	0
9/12/97	Measure A Projects	0	0	0	95,000	0	0	0
	TOTAL	0	0	128,000	524,000	0	0	0



APPROVED
BY THE CITY COUNCIL

SEP 30 1997

OFFICE OF THE
CITY CLERK

RESOLUTION NO. 97-540

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

**RESOLUTION APPROVING THE APPROPRIATION OF FUNDS IN THE AMOUNT OF \$95,000
TO THE NORTH 12TH STREET FIBER OPTIC TRUNKLINE PROJECT**

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

1. The 1997/98 Capital Improvement Program is hereby amended by appropriating and transferring \$95,000 from the Upgrade, Interconnect and Synchronize Project (PN:SG86) (201-500-SG86-4820) to the North 12th Street Fiber Optic Trunkline Project (PN:SK51) (201-500-SK51-4820).

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____

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