



1.5

DEPARTMENT OF  
PUBLIC WORKS

CITY OF SACRAMENTO  
CALIFORNIA

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

TECHNICAL SERVICES  
DIVISION

PH 916-264-8300  
FAX 916-264-8281

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 12<sup>th</sup> Street Fiber Optic Trunkline (PN:SK51)  
September 18, 1997

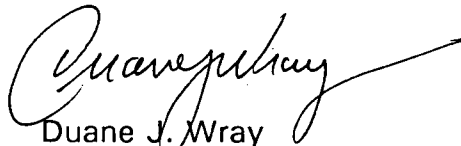
**POLICY CONSIDERATIONS:**

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](http://www.sacto.org/bids). Project notices were sent to 30 organizations involved in MBE/WBE recruitment.

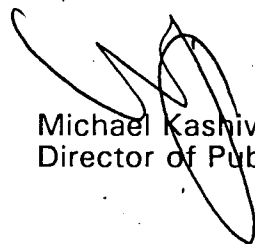
Respectfully submitted,

  
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

FY Initiated: 90/91

Location  
 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
	<b>TOTAL</b>	<b>3,035,500</b>	<b>590,500</b>	<b>202,790</b>	<b>50,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>



**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
	<b>TOTAL</b>	0	0	128,000	524,000	0	0	0



**RESOLUTION NO.**

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: \_\_\_\_\_

6







1.13

DEPARTMENT OF  
UTILITIES  
ENGINEERING SERVICES

CITY OF SACRAMENTO  
CALIFORNIA

5770 FREEPORT BLVD.  
SUITE 100  
SACRAMENTO, CA  
95822-2911

PH 916-433-6318  
FAX 916-433-6652

June 10, 1997

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: CONTRACT AWARD TO SIERRA NATIONAL CONSTRUCTION, INC., FOR NORTH NATOMAS WATER TRANSMISSION MAIN - PHASE 3 (PN:ZC32) FOR AN AMOUNT NOT TO EXCEED \$903,886**

**LOCATION AND COUNCIL DISTRICT:**

This project is located in the North Natomas area, parallel to the East Drainage Canal in District No. 1 (see attached vicinity map).

**RECOMMENDATION:**

Staff recommends that the City Council adopt the attached Resolution which accepts the lowest responsible bid from Sierra National Construction, Inc., in the amount of \$903,886 and awards the contract.

**CONTACT PERSON:** Gary Reents, Division Manager, 433-6633  
Candace McGahan, Senior Engineer, 433-6617

**FOR COUNCIL MEETING OF:** July 1, 1997

**SUMMARY**

Bids were received and opened by the City Clerk on June 3, 1997; Sierra National Construction, Inc., was the lowest responsible bidder at \$903,886.

**COMMITTEE/COMMISSION ACTION**

None.



## BACKGROUND INFORMATION

Future development of the North Natomas area requires construction of a water transmission main for water supply. Future development must also be located out of the 100-year flood plain. The design of a 36-inch transmission main allows space for future drainage improvements that will withstand a 100-year storm event.

Approximately 8800 feet of 30-inch and 36-inch diameter water transmission main will be installed parallel to the East Drainage Canal in North Natomas. The City's portion of the project includes water transmission main placement from Del Paso Road south to Arco Arena Boulevard.

It is necessary that Reclamation District 1000 relocate existing water transmission main as part of this contract in order to prepare for the timely construction of drainage improvements along the East Drainage Canal. RD 1000's portion of the work includes water transmission main relocation 1450 feet south of Arco Arena Boulevard for approximately 3200 feet south to the transmission main crossing of the East Drainage Canal.

The City's portion of the construction contract, \$478,732, will be funded by the Water Fund and RD 1000's portion, \$425,154, will be funded from proposed Mello-Roos district funds.

On June 4, 1997, five bids were received, the three lowest of which were:

- |    |                              |             |
|----|------------------------------|-------------|
| 1. | Sierra National Construction | \$ 903,886  |
| 2. | Syblon Reid Construction     | \$ 939,100  |
| 3. | Spinella Heer Construction * | \$1,070,810 |

\* Represents a MBE or a WBE construction company.

## ENVIRONMENTAL DETERMINATION

When the authorization for the purchase of the water transmission pipe went before the City Council on March 18, 1997, a Negative Declaration and a Mitigation Reporting Plan for the construction of the City's portion of the work was approved and accepted, respectively.

The portion of RD 1000's construction work covered under the subject contract was addressed in the North Natomas Comprehensive Drainage Plan Environmental Impact Report (EIR), certified by City Council on May 20, 1997.

City Council  
June 10, 1997  
Contract Award (PN:ZC32)

## **FINANCIAL CONSIDERATIONS**

The unobligated balance for this project (413-500-ZC32-4820) is \$1,316,434 as of June 11, 1997. Based on the low bid of \$903,886 the revised total estimated project cost, including design, construction, inspection and contingency is \$1,201,300. There are sufficient funds in the project to award this contract.

The total estimated cost funded by the Water fund will be \$636,254 and the total estimated cost funded by the Mello-Roos district will be \$565,046. In the event the Mello-Roos district is not formed, repayment will be from the North Natomas development fees.

## **POLICY CONSIDERATIONS**

This action is in conformance with City Code Title 58, Chapter 58.03.304 which provides that the City Council may award competitively bid contracts to the lowest responsible bidder.

## **MBE/WBE**

This project included participation goals of 10.75% MBE and 9.5% WBE as required by Resolution 93-619, relating to MBE/WBE participation goals and policies, adopted by the City Council on November 2, 1993. Award of the project is contingent upon the responsive low bidder either meeting these project MBE/WBE participation goals or making documented good faith efforts toward meeting the project goals. The low bidder, Sierra National Construction, Inc., participation goals were 11.13% MBE and 2.49% WBE. The MBE project goal was met. However, the WBE goals were not achieved. An acceptable good faith effort was submitted by Sierra National Construction, Inc., and verified by Utilities staff.

Plans and specifications were sent to nine (9) plan rooms and construction services organizations for publication and use by the construction industry of Northern California. There are four (4) organizations on the distribution list that are directly involved with outreach to MBE/WBE contractors.

Other outreach efforts to MBE/WBE contractors for this project included:

- Advertisement of the project on the City of Sacramento Construction Project Bid Line (916) 392-4758.
- Free access to review the project plans and specifications at the City of Sacramento, Architecture & Engineering Division Plan room at 927 10th Street.

City Council  
 June 10, 1997  
 Contract Award (PN:ZC32)

- Provide notice of this project to three (3) minority chambers of commerce and three (3) minority and women community organizations directly involved with outreach to MBE/WBE firms.

MBE/WBE participation by the bidders is as follows:

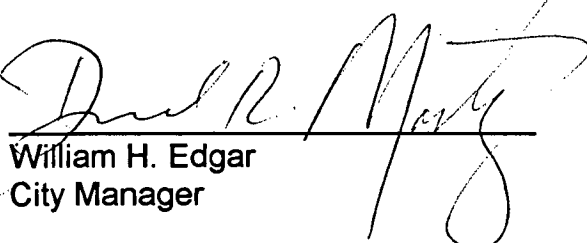
CONTRACTORS	BID AMOUNT	MBE		WBE		GOOD FAITH EFFORT DOCUMENTATION
		\$	%	\$	%	
Sierra National Construction, Inc.	903,886	100,500	11.10	22,550	2.49	yes
Syblon Reid Co.	939,100	7,000	0.75	0	0.00	Non Responsive
Spinella Heer Construction, Inc.	1,070,810.00*	117,975	11.02	863,235	80.62	Not required
Mountain Cascade, Inc.	1,247,881	100,000	8.01	0	0.00	Not required
Valley Engineers, Inc.	1,278,055	18,000	1.41	0	0.00	Not required

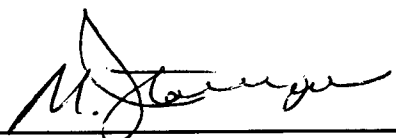
Respectfully submitted,

  
 for Gary A. Reents  
 Engineering Services Manager

RECOMMENDATION APPROVED:

APPROVED:

  
 William H. Edgar  
 City Manager

  
 for James G. Sequeira  
 Director of Utilities

# RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

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

**A RESOLUTION AWARDED A CONTRACT TO SIERRA NATIONAL CONSTRUCTION, INC., FOR NORTH NATOMAS WATER TRANSMISSION MAIN - PHASE 3 (PN:ZC32) FOR AN AMOUNT NOT TO EXCEED \$903,886**

**BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO that:**

1. The City Council hereby authorizes the City Clerk and City Manager to sign and execute a contract with Sierra National Construction, Inc., for North Natomas Water Transmission Main - Phase 3 (PN: ZC32).

\_\_\_\_\_  
MAYOR

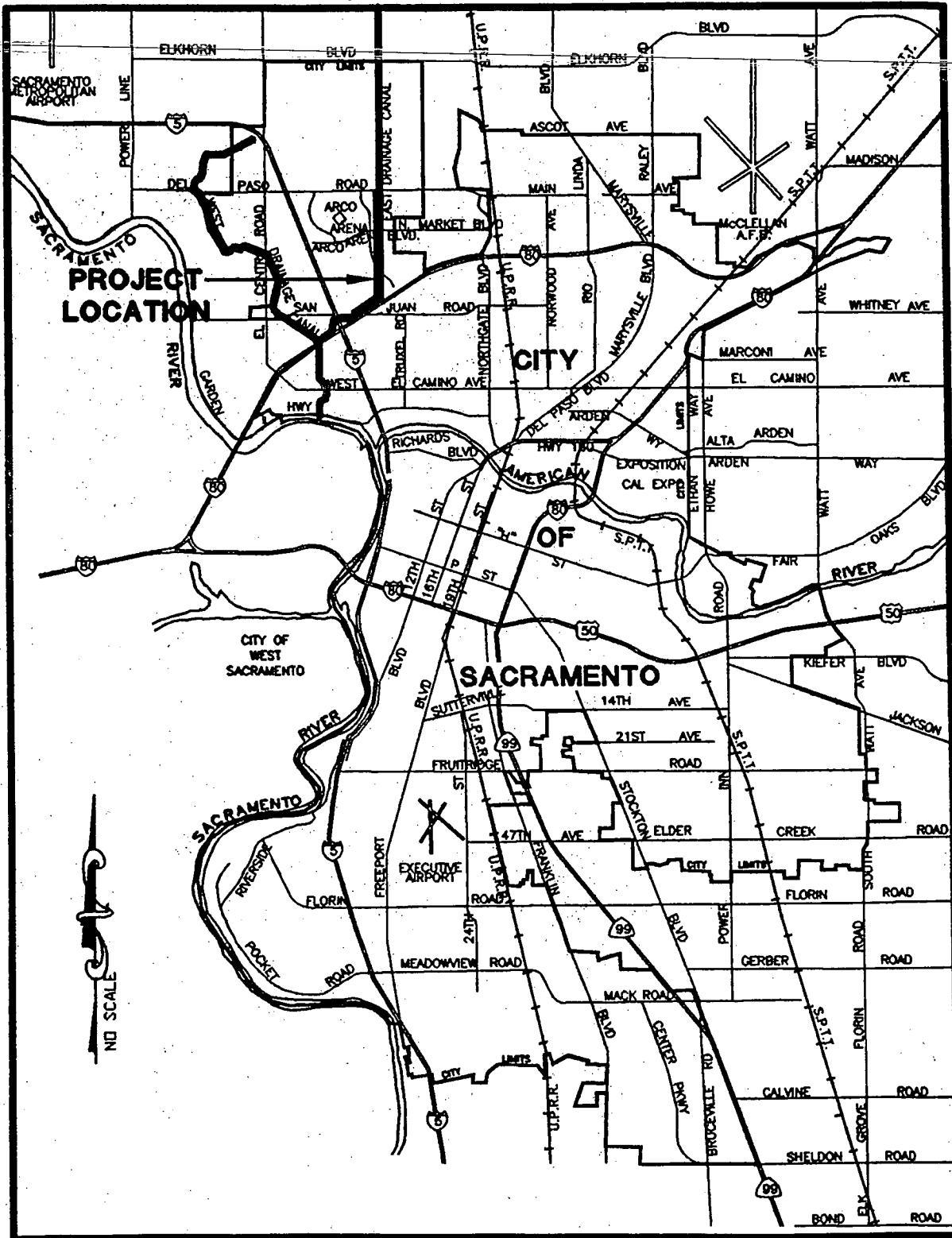
ATTEST:

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

\_\_\_\_\_  
FOR CITY CLERK USE ONLY

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

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



**VICINITY MAP**

