

**CITY OF SAN ANTONIO
INTERDEPARTMENTAL CORRESPONDENCE SHEET
PUBLIC WORKS DEPARTMENT**

CONSENT AGENDA
ITEM NO. 15

TO: Mayor and City Council

FROM: Thomas G. Wendorf, P.E., Director of Public Works

THROUGH: Terry M. Brechtel, City Manager

COPIES: Melissa Byrne Vossmer, Andrew Martin, Peter Zanoni, Milo D. Nitschke;
File

SUBJECT: 2004 Signal Installation and Signal Upgrade Program

DATE: April 29, 2004

SUMMARY AND RECOMMENDATIONS

This ordinance authorizes the City Manager to appropriate \$510,000 for the FY 03-04 Annual Signal Program to install traffic signals at six intersections and to appropriate \$250,000.00 for the FY 03-04 Annual Signal Upgrade Program to upgrade existing traffic signal installations and systems funded from the Capital Improvements Reserve Fund.

Staff recommends approval of this ordinance.

BACKGROUND INFORMATION

Annually, the City of San Antonio budgets for and constructs new traffic signals and upgrades existing traffic signals and systems from the General Fund Budget. FY 03-04, as in the past five years, has a total amount of \$510,000 authorized for new traffic signals and \$250,000 for upgrading existing traffic signals and systems. The \$510,000 is sufficient to install traffic signals at six intersections.

One of the intersections, Medical Dr. at University Hospital will be part of the Medical Center Intersection Improvements Phase II project. The design requested for this location will be in keeping with the design type required by the South Texas Medical Center (STMC) design group. The special design of the equipment specified by the STMC is not in accordance with the City of San Antonio's standard traffic signal design and significantly increases the cost of this particular installation. The \$85,000 designated for this installation will be the contribution of the City of San Antonio towards this project. The difference in design and construction cost will be covered by the University Health System, the University Physicians Group and District 8 Neighborhood Access and Mobility Program Fund.

Six traffic signal installations are recommended for appropriation of the \$510,000 authorized in the FY 03-04 Annual Budget. These locations represent those deemed most necessary based on a variety of engineering, developmental and social factors. All of the recommended locations are warranted under the provisions of the *Texas Manual on Uniform Traffic Control Devices (TMUTCD)*.

Proposed FY03-04 Annual Traffic Signal Program

Intersection	Council District	Estimated Cost
Westover Hills Blvd. at Senisa Springs	6	\$ 86,000
Marbach Rd. at Old Hunt Ln./Ingram Rd.	4/6	\$ 75,000
Wurzbach Rd. at Crystal Hill/Ingram Mall Drwy.	7	\$ 90,000
Bulverde Rd. at Classen Rd.	10	\$ 78,000
Parliament Dr. at Sir Winston	9	\$ 96,000
Medical Dr. at University Hospital/UPG	8	\$ 85,000
Total for 6 Intersections		\$510,000

The \$250,000 for upgrading existing traffic signals and systems will be used primarily for Video Imaging Vehicle Detection Systems (VIVDS) installations, which will replace damaged or failing in-pavement detection systems on an as needed basis. In addition, funding will be utilized to install wireless radio communications to enable improved coordination of the signal system at approximately 77 citywide locations. These locations represent "isolated" signals that offer the following opportunities:

1. Provide physical coordination to replace inadequate/unreliable Time Base Coordination,
2. Incorporate existing isolated signals into existing systems for coordination and central communications, and
3. Minimize the need for numerous repeater stations.

POLICY ANALYSIS

Approval of this ordinance will be a continuation of Council policy of installing new traffic signals and upgrading existing traffic signal installations as traffic conditions warrant and as funds are made available.

FINANCIAL IMPACT

Funds in the amount of \$760,000 are available from the Capital Improvements Reserve Fund.

COORDINATION

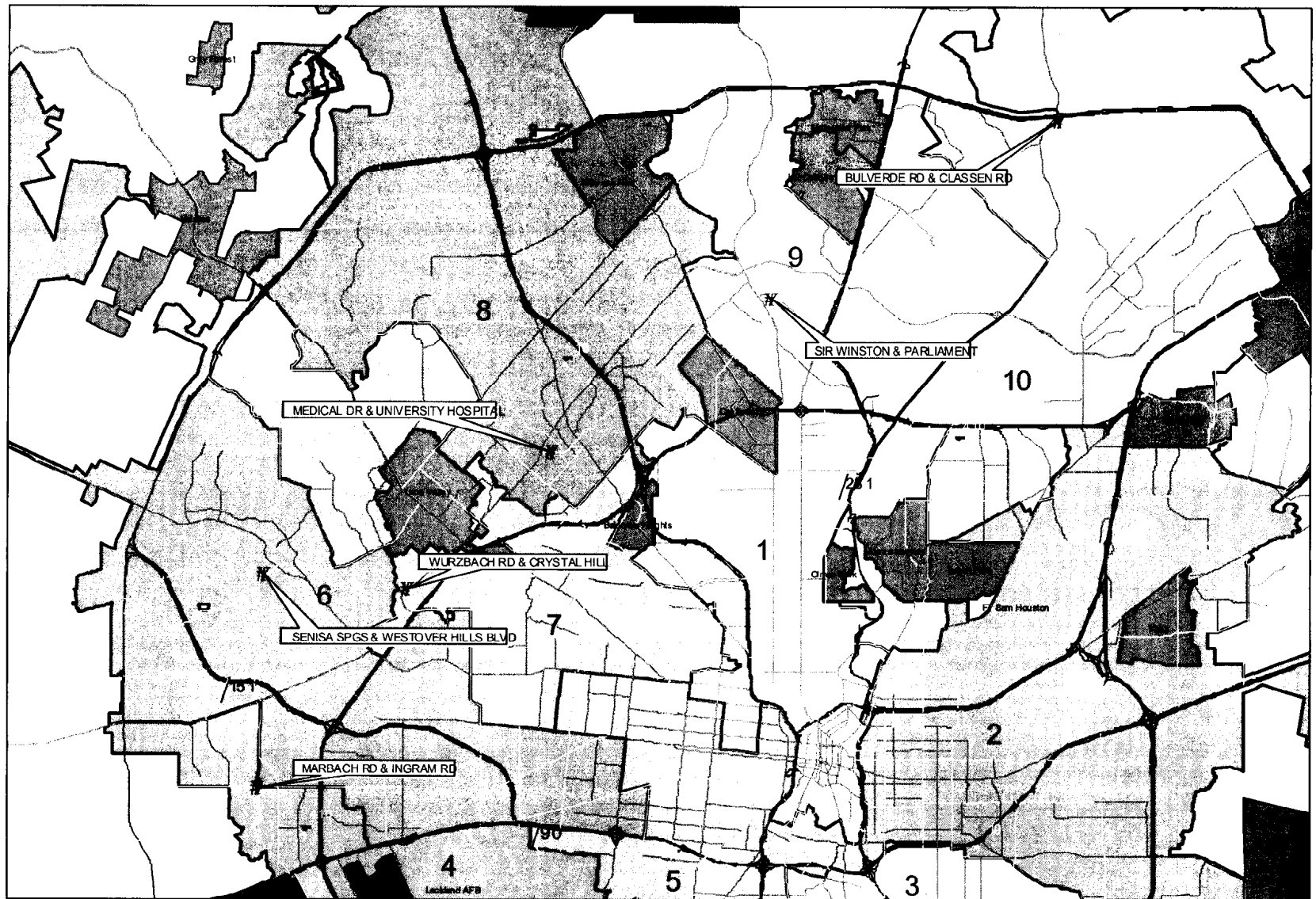
This request for Ordinance has been coordinated with the Office of Management and Budget and the Finance Department.

for Maureen Saegun
Thomas G. Wendorf, P.E.
Director of Public Works

Approved:

Melissa Byrne Vosmer
Melissa Byrne Vosmer
Assistant City Manager

Terry M. Brechtel
Terry M. Brechtel
City Manager



PROPOSED 2004 SIGNALS

April 12, 2004

