



City Council Report

Date: August 31, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Beth Huning, City Engineer
Subject: Greenfield Road Reconstruction, Baseline Road to Southern Avenue
City Project 04-844-001
Council District 6



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the Guaranteed Maximum Price (GMP) received for Greenfield Road Reconstruction, Baseline Road to Southern Avenue, a Construction Manager at Risk (CMAR) project (Refer to Exhibit "A" for project location).

It is recommended that Council award this project to the CMAR contractor, Haydon Building Corporation in the amount of \$6,889,891.80.

Background

In June 2002, Council adopted a comprehensive long-range Transportation Plan, which included improvements to the portion of Greenfield Road from Baseline Road to Southern Avenue. In November 2003, the Maricopa Association of Governments (MAG) adopted the Regional Transportation Plan (RTP) that provides for improvements to the region's transportation systems. In May of 2006, voters approved an extension to a countywide sales tax through Proposition 400 to provide a portion of the funding for this project. In August 2006, Haydon Building Corporation was selected as the CMAR for this improvement project and Council approved a contract with Haydon Building Corporation to assist in the project design.

The project was originally scheduled for construction in November 2007. Prior to that date, the construction was put on hold due to fiscal constraints pending the results of the November 2008 bond election. With the successful 2008 bond election, City staff has been working with the design engineer, Jacobs Engineering, and Haydon Building Corporation to finalize the project plans and develop a GMP. This GMP is the agreed upon price for the construction of this project.

Discussion

This project consists of widening the roadway for approximately one mile to provide three (3) through lanes in each direction with dual left turns at the major intersections. New pavement, curb & gutter, sidewalk, a raised landscaped median on Greenfield Road, traffic signals, roadway lighting and landscaping will be installed. Also, the project will widen the bridge over the Salt River Project (SRP) Eastern Canal to accommodate the additional traffic lanes.

Community Impact: The project will result in reduced congestion along this section of roadway and is expected to reduce traffic accidents. Temporary impacts to the area will include traffic lane restrictions, construction noise and dust, and access restrictions. Once work is started, project completion is anticipated within one hundred eighty (180) calendar days. Requirements have been placed in the contract so that all traffic lanes remain open during the months of November and December.

Alternatives

Alternatives are available for both the project and the contracting method. One alternative would be to not construct the roadway improvements. This is not recommended because the existing roadway does not provide sufficient capacity to meet current and future traffic needs. Also, the existing asphalt pavement is in very poor condition and must be replaced.

Staff recommended the use of CMAR for this contract due to the complexity of the project and the extensive coordination with various entities that must be performed. The bridge over the Salt River Project Canal must be widened early in the project. The bridge construction adds another level of complexity in construction. Contracting using the CMAR process is anticipated to reduce construction change orders and related claims since the CMAR provided input during the design phase.

Fiscal Impact

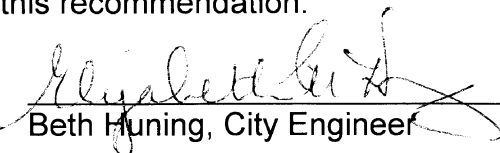
The estimated construction cost with the GMP is \$6,263,538.00 plus an additional \$626,353.80 (10% allowance for change orders) for a total award of \$6,889,891.80. Funding is available from the adopted FY 09/10 Streets Bond Capital Program. In addition, the MAG RTP (Prop. 400) program will reimburse Mesa a total of \$4,837,000 once construction is complete.

Coordinated With

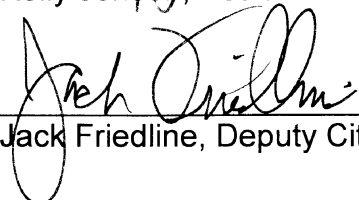
The Transportation Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



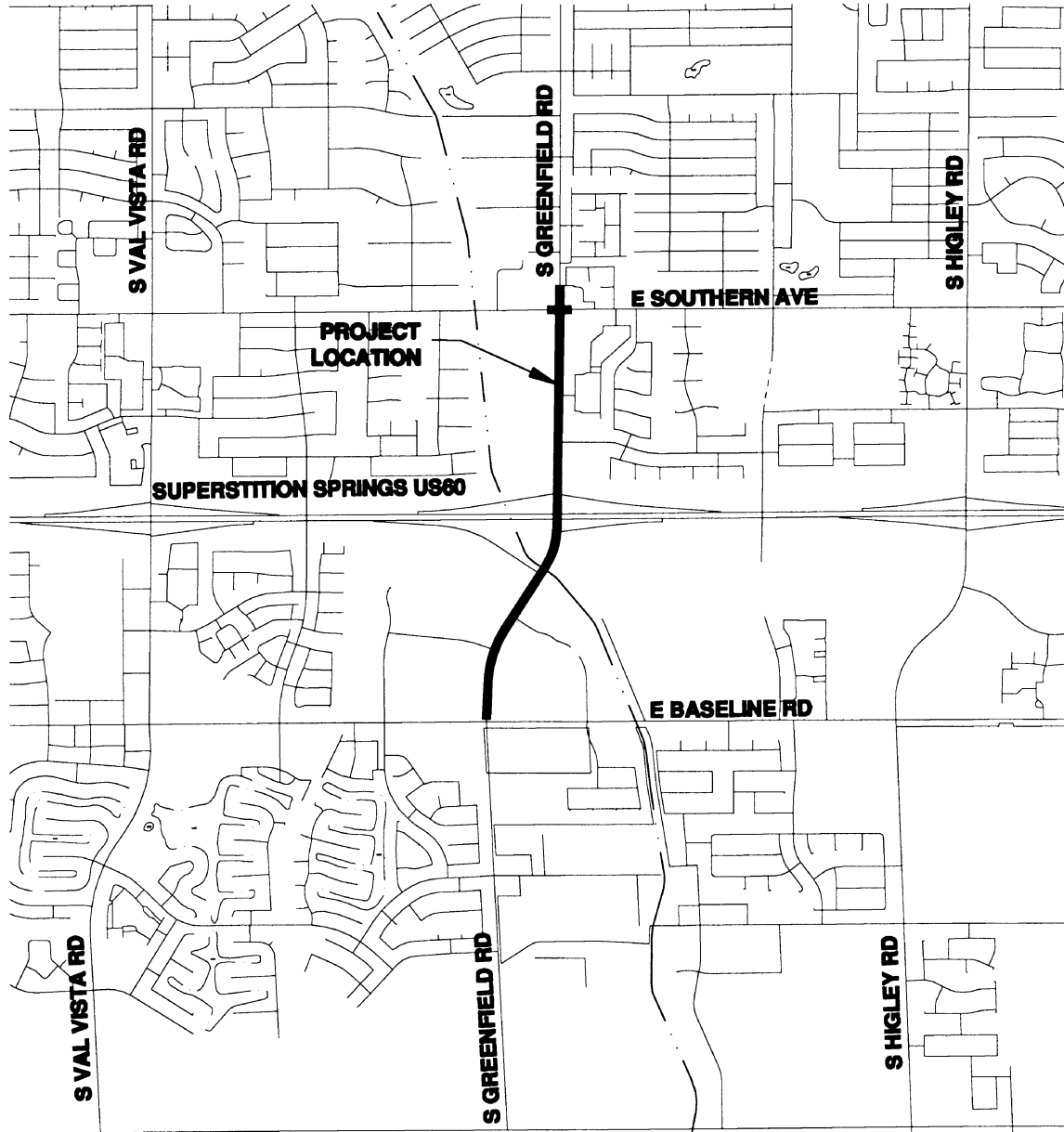
Beth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A"



DATE SAVED: 7/15/09 1:04-844-001 GREENFIELD - BASELINE TO SOUTHERN\CAD\COUNCIL MAP.DWG

PROJECT LOCATION MAP GREENFIELD ROAD , BASELINE ROAD TO SOUTHERN AVE PROJECT NO. 04-844-001

