



DATE: February 11, 2014

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Middlefield Road Median Island Reconstruction, Project 12-32**

RECOMMENDATION

1. Transfer and appropriate \$103,000 from the following projects to Middlefield Road Median Island Reconstruction, Project 12-32:
 - \$25,000 from Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 14-22;
 - \$30,000 from Concrete Sidewalk and Curb Repair, Project 14-06;
 - \$13,000 from Street Lane Line and Legend Repainting, Project 14-12; and
 - \$35,000 from Biennial Installation of ADA Curb Ramps, Project 14-24.

(Five votes required)
2. Approve plans and specifications for Middlefield Road Median Island Reconstruction, Project 12-32, and authorize staff to advertise the project for bids.
3. Authorize the City Manager to award the construction contract to the lowest responsible bidder if the low bid is within the project budget.

BACKGROUND

Middlefield Road, between Shoreline Boulevard and Easy Street, has been resurfaced several times over many years. As a result, the median island curb height ranges from 0" to 3" as compared to the standard 8" median island curb height. In some locations, the roadway is elevated above the existing median island curbs. Replacing the median curb and roadway markings will more clearly delineate the edge of the roadway and

help prevent vehicles from leaving the roadway and colliding with trees and other landscaping in the median.

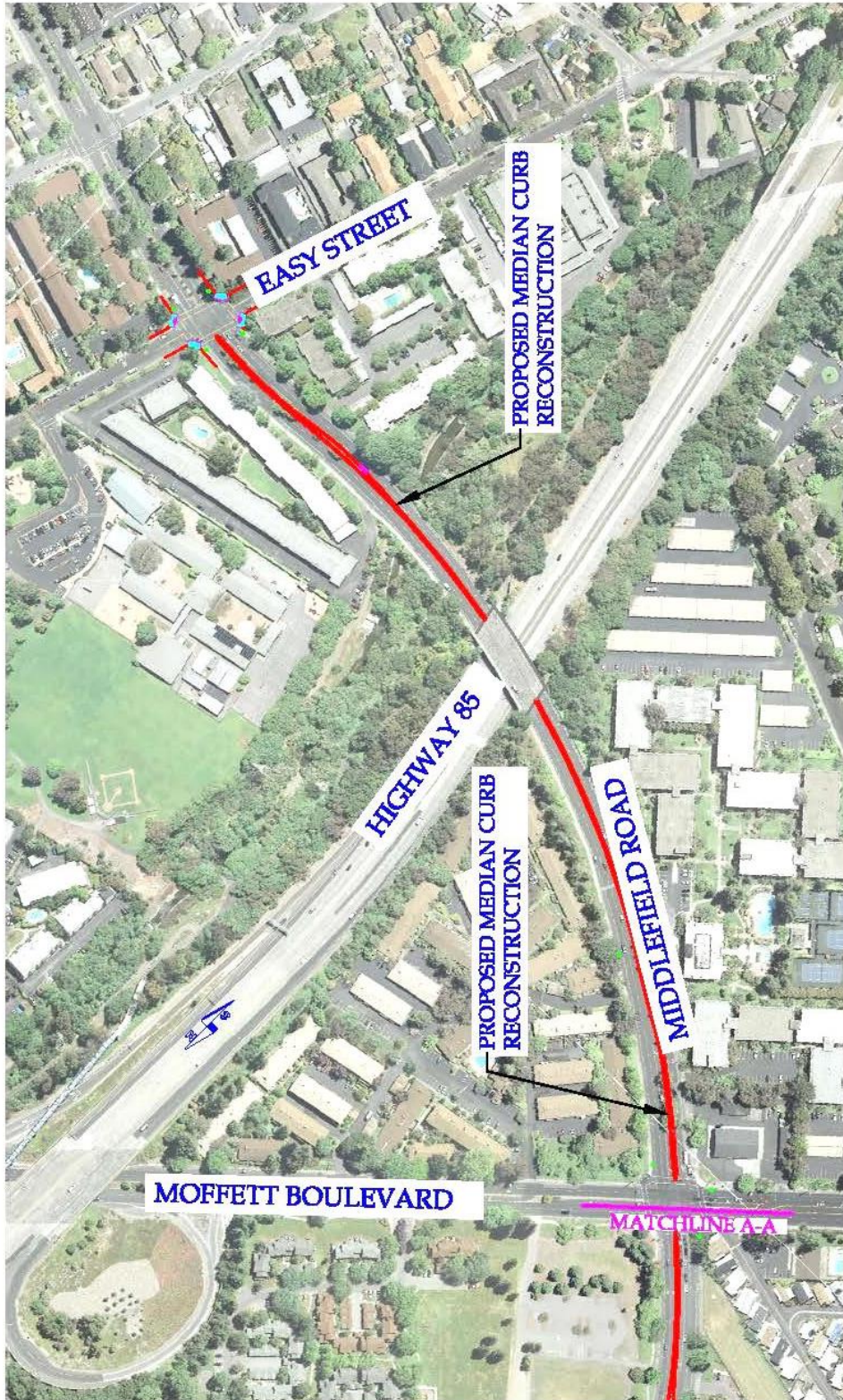
On March 11, 2011, the City received a grant from the Highway Safety Improvement Program (HSIP) administered by the California Department of Transportation (Caltrans) in the amount of \$594,000 for median island reconstruction on Middlefield Road from Shoreline Boulevard to Easy Street. The project qualified for this grant because curbs at the edge of the roadways are an important safety feature, particularly where obstructions such as trees exist near the roadway.

ANALYSIS

Middlefield Road Median Island Reconstruction, Project 12-32, proposes to reconstruct the median islands on Middlefield Road between Shoreline Boulevard and Easy Street (see Exhibit A). The recommended improvements include constructing median island curbs, gutter, sidewalk, curb ramps, concrete interlocking pavers, maintenance band, striping, and pavement markings. The project also proposes to replace the existing storm drain inlet grates with City standard storm drain inlet grates which are bicycle friendly.



**Exhibit A – Project Location – Middlefield Road
from Shoreline Boulevard to Moffett Boulevard**



**Exhibit B – Project Location – Middlefield Road
from Moffett Boulevard to Easy Street**

The estimated project cost is as follows:

Construction	\$580,000
Construction Contingency	55,000
Professional Services	23,000
City Project Management	63,500
Construction Inspection and Testing	48,000
Miscellaneous	<u>5,000</u>
Subtotal	774,500
City Administration @ 6.5%	<u>50,500</u>
TOTAL PROJECT COST	<u>\$825,000</u>

The project budget is \$722,000 and the estimated project cost is \$825,000, leaving a project shortfall of \$103,000. The project cost was initially underestimated for several reasons. The construction cost was underestimated and did not include construction surveying, curb ramps, and storm drain inlets. The inclusion of the items above accounts for approximately 75 percent of the project shortfall. The additional costs are associated with City staff costs, including project management, design engineering, City inspection and testing, and City administration.

When the project was budgeted, it was not anticipated that curb ramps would be included in the work scope. However, since the project is receiving Federal funding, it is a Federal requirement to install curb ramps in compliance with the Americans with Disabilities Act guidelines within the project limits.

Storm drain inlets were also not included in the original work scope. The City is in the process of replacing substandard storm drain inlet grates with City standard storm drain inlets, which are bicycle-friendly. The storm drain inlets within the project limits that are substandard will be replaced with City standard storm drain inlet grates to improve bicycle safety in the project area.

Plans and specifications are on file in the Public Works Department. If the recommended actions are approved, construction is scheduled to begin in May 2014 and be complete by July 2014. In accordance with the requirements of the California Environmental Quality Act (CEQA) and the National Environmental Policy Act

(NEPA), this project has been determined to be categorically exempt because the project consists of maintenance of existing streets and does not expand the use beyond existing conditions.

FISCAL IMPACT

Middlefield Road Median Island Reconstruction, Project 12-32, is funded with \$722,000 from the following funding sources:

Highway Safety Improvement Program (HSIP)	\$594,000
CIP Reserve Fund	35,000
Construction/Conveyance Tax Fund	43,000
Gas Tax Fund	<u>50,000</u>
TOTAL PROJECT COST	<u>\$722,000</u>

The estimated project cost is \$825,000, leaving a funding shortfall of \$103,000. The recommended actions would increase funding by \$103,000 to fully fund the project.

ALTERNATIVES

1. Defer construction.
2. Eliminate the installation of bicycle-friendly storm drain grates from the project scope. This would reduce the estimated project cost by approximately \$17,000.

PUBLIC NOTICING

Agenda posting. Noticing for this meeting included an advertisement in the *Mountain View Voice* and an announcement on the City's website.

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JH/7/CAM/907-02-11-14CR-E

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