

**REPORT TO MAYOR AND COUNCIL****TO THE HONORABLE MAYOR AND COUNCIL:**

Date: January 12, 2016

SUBJECT: ADOPT RESOLUTION NO. 16-4 AUTHORIZING THE APPLICATION FOR FY 2015-16 TRANSPORTATION DEVELOPMENT ACT (TDA) GRANT FUNDS TO SUPPORT A BICYCLE AND PEDESTRIAN SAFETY IMPROVEMENT PROJECT ON DETROIT AVENUE AT WHITMAN ROAD IN THE AMOUNT OF \$150,000

Report in Brief

Staff recommends that the City Council adopt Resolution No. 16-4 authorizing Engineering staff to apply for FY 2015-16 Transportation Development Act (TDA) Article 3 grant funds to support a bicycle and pedestrian safety improvement project on Detroit Avenue at Whitman Road in the amount of \$150,000.

Background

The reinforced concrete bridge over Pine Creek Channel on Detroit Avenue at Whitman Road is approximately 50-ft long. The channel is maintained by Contra Costa County Flood Control District (CCCFD). The deck width is approximately 32'-6". It carries two lanes of traffic with a clear width of 27'-8" and also contains a walkway of about 3-ft wide on the west side. The bridge also carries utilities on both sides with a 5-ft tall chain link fence located on the east side. As it is currently striped, the bridge does not provide sufficient walkway space.

To improve pedestrian safety, staff proposes to reduce the lane widths to a minimum of 11-ft in each traffic direction to accommodate the construction of a sidewalk that is 5 to 7 feet in width along the west side of the bridge. The existing metal railing will be left in place while the metal beam guard railing on the west side of the bridge approach will be improved or upgraded. The sidewalk constructed on the bridge will be extended in both directions: to connect to the existing sidewalk on the north of the bridge, and southward to the intersection of Whitman Road where a new crosswalk will be installed and ultimately connect to the existing sidewalk on the south side of Whitman Road. This route will provide pedestrians a continuous safe passage across the bridge, along the west side of Detroit Avenue to Whitman Road.

To accommodate bicyclists who use the bridge, sharrows and signage will be installed to alert drivers of shared lanes. Existing bike lane located on the north side of Whitman Rd will be extended to

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January 12, 2015

Page 2

Detroit Avenue to provide additional safety for bicyclists coming from Detroit Avenue and turning right onto Whitman Road.

It is anticipated that minor utility relocations may be needed at the south end to create an accessible sidewalk. The utilities on the bridge will remain and will be protected in place during construction. The existing traffic signal may require minor modifications to accommodate the pedestrian crossing at Whitman Road, including pedestrian heads and push buttons. The pavement striping and marking along Detroit Avenue will require re-striping to accommodate the lane shift due to construction of the new sidewalk on the bridge. All improvements will be done within the City's right-of-way and via permit with CCFCD.

Project Alternatives. Although the existing width of the bridge limits the improvements that can be made, there are multiple reasons that staff is recommending this project to retrofit the existing bridge and improve the roadways, rather than pursuing a much larger project to widen the bridge. First, the cost and time to replace or even widen the bridge is extensive, and that type of project has no readily available sources of grant funding. The TDA Article 3 grant is a very limited grant, and could not be used to fund a bridge widening project, nor are there grants available currently for which a bridge-widening project would qualify. The proposed project to retrofit improvements onto the existing overcrossing is already quite costly, and the grant, if approved, will fund only 52% of the total cost.

Second and perhaps more compelling is the time and effort that would be needed to meet the extensive requirements from regulatory agencies to address environmental (CEQA) and other capacity issues if the City proposed working in the channel to extend the bridge abutment and to implement utility relocation affected by bridge widening. Given staff's recent experience with outside regulatory agencies on bridge widening efforts, it is unlikely that such a project could gain approval in any reasonable time period. In the meantime, significant safety improvements, such as the proposed project, that could be made in the near term would be left undone.

Discussion

Bicycle and Advisory Committee Review. The Metropolitan Transportation Commission (MTC) is the agency that administers the TDA grant process. MTC Resolution No. 4108 specifies that each county and city is required to have a Bicycle Advisory Committee (BAC) to review and prioritize bicycle and pedestrian projects that are applying for TDA Article 3 grant funds, and to participate in the development and review of comprehensive bicycle plans. Currently, the City has an appointed Bicycle, Pedestrian, and Safe Routes to Transit Plan Advisory Committee (Advisory Committee) that can fill the role of a City BAC for purposes of TDA grant review.

On December 14th, 2015, the Advisory Committee reviewed this bicycle and pedestrian safety improvement project. The project was well received and the Advisory Committee recommended applying for TDA Article 3 funds to help fund the project. Minor comments were made which included modifications to accommodate bicyclists who use the bridge. Along with the improvements for pedestrian safety, the Advisory Committee recommended adding bike sharrow markings, which are markings to remind drivers to share the road with bicyclists who use the bridge. Other improvements recommended by the Committee include signage to warn vehicles of upcoming lane-sharing and

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January 12, 2015

Page 3

extension of the existing bike lane on the north side of Whitman Rd. to Detroit Ave., to increase safety for a bicyclist turning right onto Whitman Rd. coming southbound on Detroit Ave.

The Advisory Committee recommendations adding minor modifications for bicycle safety improvements will be included into the project's scope of work without major impact to project costs.

TDA Grant Application. Staff requests Council's approval of a City application for a \$150,000 grant through the FY 2015-16 Transportation Development Act (TDA) Article 3 funding program to construct bicycle and pedestrian improvements to the bridge on Detroit Avenue at Whitman Road. The proposed improvements will greatly increase the safety of pedestrians and school children along a popular path of travel coming and going from Ygnacio Valley Elementary School by widening the pedestrian sidewalk to create a safer and more adequate walking path. The following is a brief description of the proposed improvements:

- Reducing lane width to a minimum of 11-ft in each traffic direction and traffic re-striping to accommodate the lane shift
- Widening sidewalk from three (3) feet to five - seven (5-7) feet
- Constructing sidewalk connections to the north and south ends of the bridge including ADA improvements and accessible ramp
- Construction of a modified Caltrans Type 26 concrete barrier
- Minor utility relocations outside of the bridge
- New crosswalk across Whitman Road and minor modifications to the existing traffic signal
- Replace or upgrade metal beam guard railing
- Install sharrow and signage to alert drivers of shared lanes with bikes on bridge
- Extension of existing bike lane on Whitman Rd.

The total cost to design and construct this project is approximately \$290,000. The TDA grant request is for \$150,000 under the FY 2015-16 TDA funding cycle. The balance of \$140,000 (or 48% of the project costs) is proposed to be funded with local match funds (possibly Local Measure J funds) as a City commitment to leverage the TDA Grant.

CEQA¹

This project is exempt from CEQA pursuant to CEQA Guidelines Sections 15301 (Existing Facilities), 15302 (Replacement or Reconstruction), and 15303 (New Construction or Conversion of Small Structures) because, among other things, it involves minor alterations to existing utilities, streets, sidewalks, bicycle trails and similar facilities, replacement or reconstruction of existing utility systems and facilities, and construction and location of limited numbers of new small facilities or structures, all as further detailed in this staff report and attachments hereto.

¹ California Environmental Quality Act of 1970, Public Resources Code Section 21000, et seq., as amended and implementing State CEQA Guidelines, Title 14, Chapter 3 of the California Code of Regulations (collectively, "CEQA").

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January 12, 2015

Page 4

Fiscal Impact

This project is dependent upon the receipt of the grant funds. The TDA funds will cover \$150,000 of the project costs, with the City matching 48% (\$140,000) for a total of \$290,000.

Public Contact

The City Council agenda was posted.

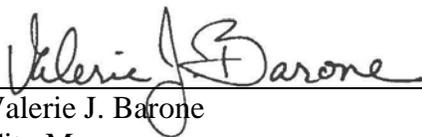
Recommendation for Action

Staff recommends that the City Council adopt Resolution No. 16-4 authorizing the application for FY 2015-16 Transportation Development Act (TDA) grant funds to support a bicycle and pedestrian safety improvement project on Detroit Avenue in the amount of \$150,000.

Prepared by: Mario Camorongan, PE
CIP Manager
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Reviewed by: Robert Ovadia, PE
City Engineer
robert.ovadia@cityofconcord.org

Reviewed by: Victoria Walker
Community & Economic Development Director
victoria.walker@cityofconcord.org



Valerie J. Barone
City Manager
valerie.barone@cityofconcord.org

BEFORE THE CITY COUNCIL OF THE CITY OF CONCORD
COUNTY OF CONTRA COSTA, STATE OF CALIFORNIA

A Resolution Approving the Request to the
Metropolitan Transportation Commission by the City
of Concord for an Allocation of Transportation
Development Act Article 3 Pedestrian and Bicycle
Project Funding for Fiscal Year 2015-16

Resolution No. 16-4

WHEREAS, Article 3 of the Transportation Development Act (TDA), Public Utilities Code (PUC) Section 99200 et seq., authorizes the submission of claims to a regional transportation planning agency for the funding of projects exclusively for the benefit and/or use of pedestrians and bicyclists; and

WHEREAS, the Metropolitan Transportation Commission (MTC), as the regional transportation planning agency for the San Francisco Bay Region, has adopted MTC Resolution No. 4108, entitled “Transportation Development Act, Article 3, Pedestrian and Bicycle Projects,” which delineates procedures and criteria for submission of requests for the allocation of “TDA Article 3” funding; and

WHEREAS, MTC Resolution No. 4108 requires that requests for the allocation of TDA Article 3 funding be submitted as part of a single, countywide coordinated claim from each county in the San Francisco Bay region; and

WHEREAS, the City of Concord desires to submit a request to MTC for the allocation of TDA Article 3 funds to support the project described in Attachment B to this resolution at the requested or approved amount, which is for the exclusive benefit and/or use of pedestrians and/or bicyclists.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF CONCORD DOES RESOLVE AS FOLLOWS:

Section 1. This project is exempt from CEQA pursuant to CEQA Guidelines Sections 15301 (Existing Facilities), 15302 (Replacement or Reconstruction), and 15303 (New Construction or Conversion of Small Structures) because, among other things, it involves minor alterations to existing utilities, streets, sidewalks, bicycle trails and similar facilities, replacement or reconstruction of existing

1 utility systems and facilities, and construction and location of limited numbers of new small facilities or
2 structures, all as further detailed in this staff report and attachments thereto. This finding represents the
3 independent judgment of the City of Concord. The City Council hereby directs staff to file a Notice of
4 Exemption.

5 **Section 2.** The City of Concord declares it is eligible to request an allocation of TDA Article
6 3 funds pursuant to Section 99234 of the Public Utilities Code.

7 **Section 3.** There is no pending or threatened litigation that might adversely affect the project
8 described in Attachment B to this resolution, or that might impair the ability of the City of Concord to
9 carry out the project.

10 **Section 4.** The project has been reviewed by the Bicycle Advisory Committee (BAC) of City
11 of Concord.

12 **Section 5.** The City of Concord attests to the accuracy of and approves the statements in
13 Attachment A to this resolution.

14 **Section 6.** A certified copy of this resolution and its attachments, and any accompanying
15 supporting materials shall be forwarded to the congestion management agency, countywide
16 transportation planning agency, or county association of governments, as the case may be, of Contra
17 Costa County for submission to MTC as part of the countywide coordinated TDA Article 3 claim.

18 **Section 7.** The City Council hereby authorizes the City Manager and/or her designee to
19 negotiate and execute such other documents related to the request and/or acceptance of the TDA
20 funds.

21 **PASSED AND ADOPTED** by the City Council of the City of Concord on January 12, 2016,
22 by the following vote:

23 **AYES:** Councilmembers -

24 **NOES:** Councilmembers -

25 **ABSTAIN:** Councilmembers -

26 **ABSENT:** Councilmembers -

27 //

28 //

Resolution No. 16-4
Attachment A

Re: Request to the Metropolitan Transportation Commission for the Allocation of Fiscal Year 2015-2016 Transportation Development Act Article 3 Pedestrian/Bicycle Project Funding

Findings

Page 1 of 1

1. That the City of Concord is not legally impeded from submitting a request to the Metropolitan Transportation Commission for the allocation of Transportation Development Act (TDA) Article 3 funds, nor is the City of Concord legally impeded from undertaking the project described in “Attachment B” of this resolution.
2. That the City of Concord has committed adequate staffing resources to complete the project described in Attachment B.
3. A review of the project described in Attachment B has resulted in the consideration of all pertinent matters, including those related to environmental and right-of-way permits and clearances, attendant to the successful completion of the project.
4. Issues attendant to securing environmental and right-of-way permits and clearances for the project described in Attachment B have been reviewed and will be concluded in a manner and on a schedule that will not jeopardize the deadline for the use of the TDA funds being requested.
5. That the project described in Attachment B complies with the requirements of the California Environmental Quality Act (CEQA, Public Resources Code Sections 21000 et seq.).
6. That as portrayed in the budgetary description of the project in Attachment B, the sources of funding other than TDA are assured and adequate for completion of the project.
7. That the project described in Attachment B is for capital construction and design engineering of pedestrian safety improvements.
8. That the project described in Attachment B is consistent with Principle T-1.5 of the City of Concord’s General Plan to “Provide Safe and Convenient Pedestrian Circulation” and Complete Streets Policy.
9. That the project described in Attachment B meets the mandatory minimum safety design criteria published in Chapter 1000 of the California Highway Design Manual.
10. That the project described in Attachment B will be completed before the funds expire.
11. That the City of Concord agrees to maintain, or provide for the maintenance of, the project and facilities described in Attachment B, for the benefit of and use by the public.

**Resolution No.16-4
Attachment B
Page 1 of 3**

TDA Article 3 Project Application Form

Fiscal Year of this Claim: **2015-2016** Applicant: **City of Concord**
Contact person: **Robert Ovadia, City Engineer**
Mailing Address: **1950 Parkside Drive, MS/52 Concord, CA 94519**
E-Mail Address: robert.ovadia@cityofconcord.org Telephone: **925-671-3470**
Secondary Contact (in event primary not available) **Mario Camorongon, CIP Manager**
E-Mail Address: mario.camorongon@cityofconcord.org Telephone: **(925) 671-3021**
Short Title Description of Project: Detroit Avenue and Whitman Road Bridge Pedestrian Improvements
Amount of claim: **\$150,000**

Functional Description of Project:

The bridge over Pine Creek Channel on Detroit Avenue at Whitman Road is approximately 50-ft long reinforced concrete bridge. The channel is maintained by Contra Costa County Flood Control District (CCCFD). The deck width is approximately 32'-6". It carries 2 lanes of traffic with a clear width of 27'-8" and a walkway of about 3-ft wide on the west side. The bridge carries utilities on both sides with a 5-ft tall chain link fence located on the east side. The City is proposing to reduce the lane widths to a minimum of 11-ft in each traffic direction to accommodate the construction of a sidewalk 5 to 7 feet in width along the west side of the bridge. The existing metal railing will be left in place while the metal beam guard railing on the west side of the bridge approach will be improved or upgraded. The sidewalk constructed on the bridge will be extended in both directions: to connect to the existing sidewalk on the north of the bridge, and southward to the intersection of Whitman Road where a new crosswalk will be installed and ultimately to connect to the existing sidewalk on the south side of Whitman Road. This route will provide pedestrians a continuous safe passage across the bridge, along the west side of Detroit Avenue to Whitman Road.

To accommodate bicyclist using the bridge, sharrows and signage will be installed to alert drivers of shared lanes. Existing bike lane located on the north side of Whitman Rd will be extended to Detroit Avenue to provide additional safety for bicyclists coming from Detroit Avenue and turning right onto Whitman Road.

It is anticipated that minor utility relocations may be needed at the south end to create an accessible sidewalk. The major utilities and utilities on the bridge will remain and will be protected in place during construction. The existing traffic signal may require minor modifications to accommodate the pedestrian crossing at Whitman Road, including pedestrian heads and push buttons. The pavement striping and marking along Detroit Avenue will require re-striping to accommodate the lane shift due required to provide the new sidewalk on the bridge. All improvements will be done within the City's right-of-way and via permit with CCCFD.

Financial Plan:

The \$150,000 in TDA funds and 48% local match of \$137,843 will be used for design and construction costs.

Project Elements:

The proposed improvements will greatly increase the safety of pedestrians and school children along a popular path of travel coming and going from Ygnacio Valley Elementary School by widening the pedestrian sidewalk to create a safer and more adequate walking path.

- Reducing lane width to a minimum of 11-ft in each traffic direction and traffic re-striping to accommodate the lane shift
- Widening sidewalk from three (3) feet to five - seven (5-7) feet
- Constructing sidewalk connections to the north and south ends of the bridge including ADA improvements and accessible ramp
- Construction of a modified Caltrans Type 26 concrete barrier
- Minor utility relocations outside of the bridge
- New crosswalk across Whitman Road and minor modifications to the existing traffic signal
- Replace or upgrade metal beam guard railing
- Sharrows and signage to alert drivers of shared lanes with bicyclists on bridge
- Extension of existing bike lane

CEQA¹

This project is exempt from CEQA pursuant to CEQA Guidelines Sections 15301 (Existing Facilities), 15302 (Replacement or Reconstruction), and 15303 (New Construction or Conversion of Small Structures) because, among other things, it involves minor alterations to existing utilities, streets, sidewalks, bicycle trails and similar facilities, replacement or reconstruction of existing utility systems and facilities, and construction and location of limited numbers of new small facilities or structures, all as further detailed in this staff report and attachments thereto.

Funding Source	All Prior FYs	Application FY	Next FY	Following FYs	Totals
TDA Article 3	N/A	\$150,000	N/A	N/A	\$150,000
list all other sources:					
1. Local Funds [Measure J 28 (a)]	N/A	\$50,000	N/A	N/A	\$50,000
2. Local Funds (Measure J)	N/A	\$87,843	N/A	N/A	\$87,843
Totals		\$287,843			\$287,843

¹ California Environmental Quality Act of 1970, Public Resources Code Section 21000, et seq., as amended and implementing State CEQA Guidelines, Title 14, Chapter 3 of the California Code of Regulations (collectively, “CEQA”).

Project Eligibility:	YES?/NO?
A. Has the project been approved by the claimant's governing body? (If "NO," provide the approximate date approval is anticipated).	Yes
B. Has this project previously received TDA Article 3 funding? If "YES," provide an explanation on a separate page.	No
C. For "bikeways," does the project meet Caltrans minimum safety design criteria pursuant to Chapter 1000 of the California Highway Design Manual? (Available on the internet via: http://www.dot.ca.gov).	Yes
D. Has the project been reviewed by a Bicycle Advisory Committee (BAC)? (If "NO," provide an explanation). Enter date the project was reviewed by the BAC: <u>December 14, 2015</u>	Yes
E. Has the public availability of the environmental compliance documentation for the project (pursuant to CEQA) been evidenced by the dated stamping of the document by the county clerk or county recorder? (required only for projects that include construction).	No
F. Will the project be completed before the allocation expires? Enter the anticipated completion date of project (month and year) <u>November 2016</u>	Yes
G. Have provisions been made by the claimant to maintain the project or facility, or has the claimant arranged for such maintenance by another agency? (If an agency other than the Claimant is to maintain the facility provide its name: _____	Yes

Project Eligibility Explanations

- A.** The City Council is scheduled to adopt TDA Resolution of Support on January 12th, 2016
- B.** No. This project has not previously received TDA Article 3 funding.
- C.** Though the installation of bike lanes are not included with this project, this project will install sharrows, signage to warn drivers of upcoming shared lanes, and extend existing bike lane on north side of Whitman Rd. to Detroit Ave.
- D.** The City's Bicycle and Pedestrian Advisory Committee reviewed and recommended in favor of this project on December 14th, 2016
- E.** Environmental compliance documentation will be provided to MTC, pursuant to CEQA. The City of Concord will file a Notice of Exemption upon receiving project and grant funding approval. The current schedule calls for environmental clearance by January 21, 2016
- F.** Below is a summary breakdown of the proposed project schedule:

Start Project Design Package	January 11, 2016
Obtain Environmental Clearance	January 11, 2016
Advertise Project for Construction	June 15, 2016

Award Project
Complete Project Construction

August 16, 2016
November 15, 2016

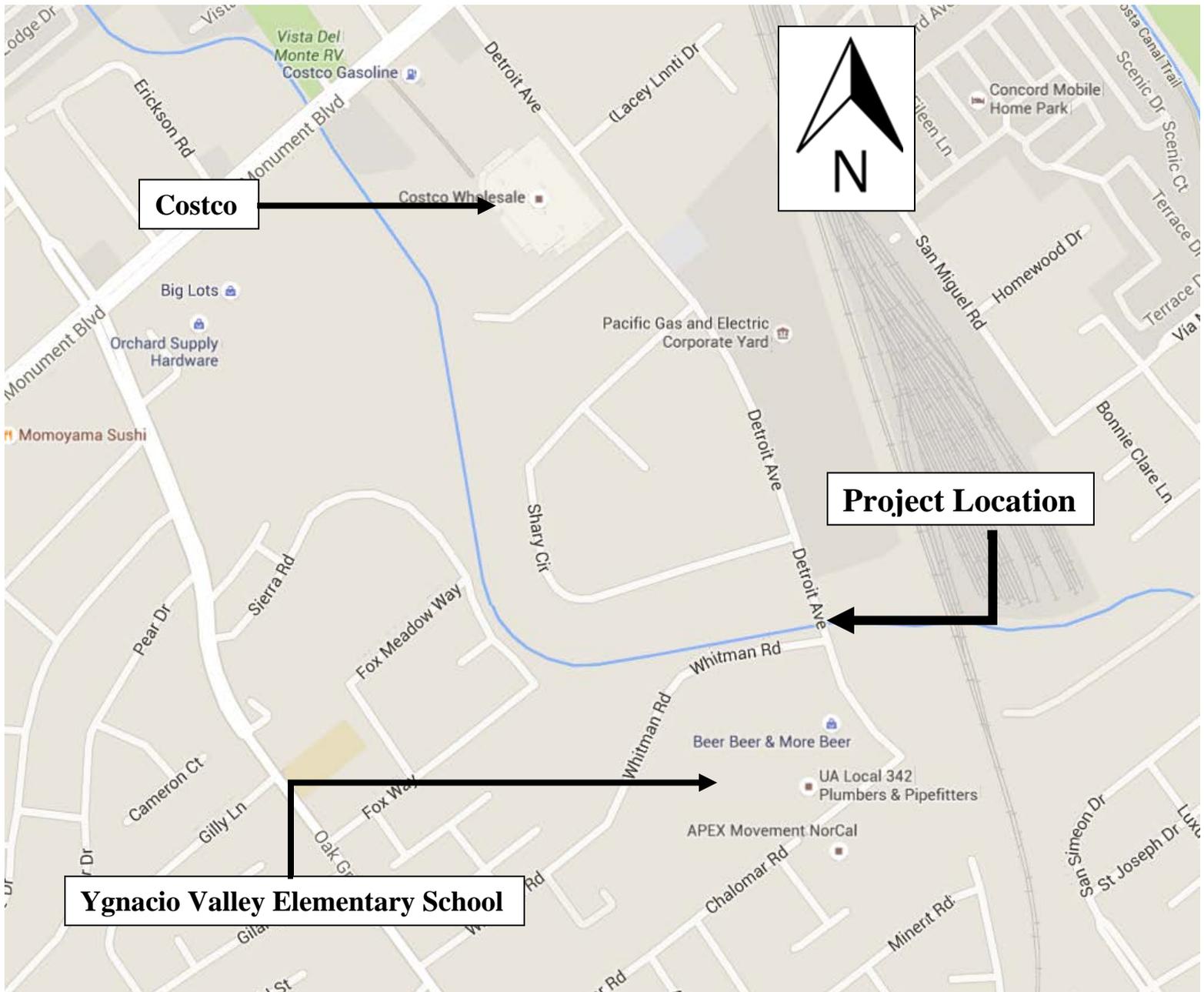
G. The City of Concord will maintain the project upon completion.

Attachments:

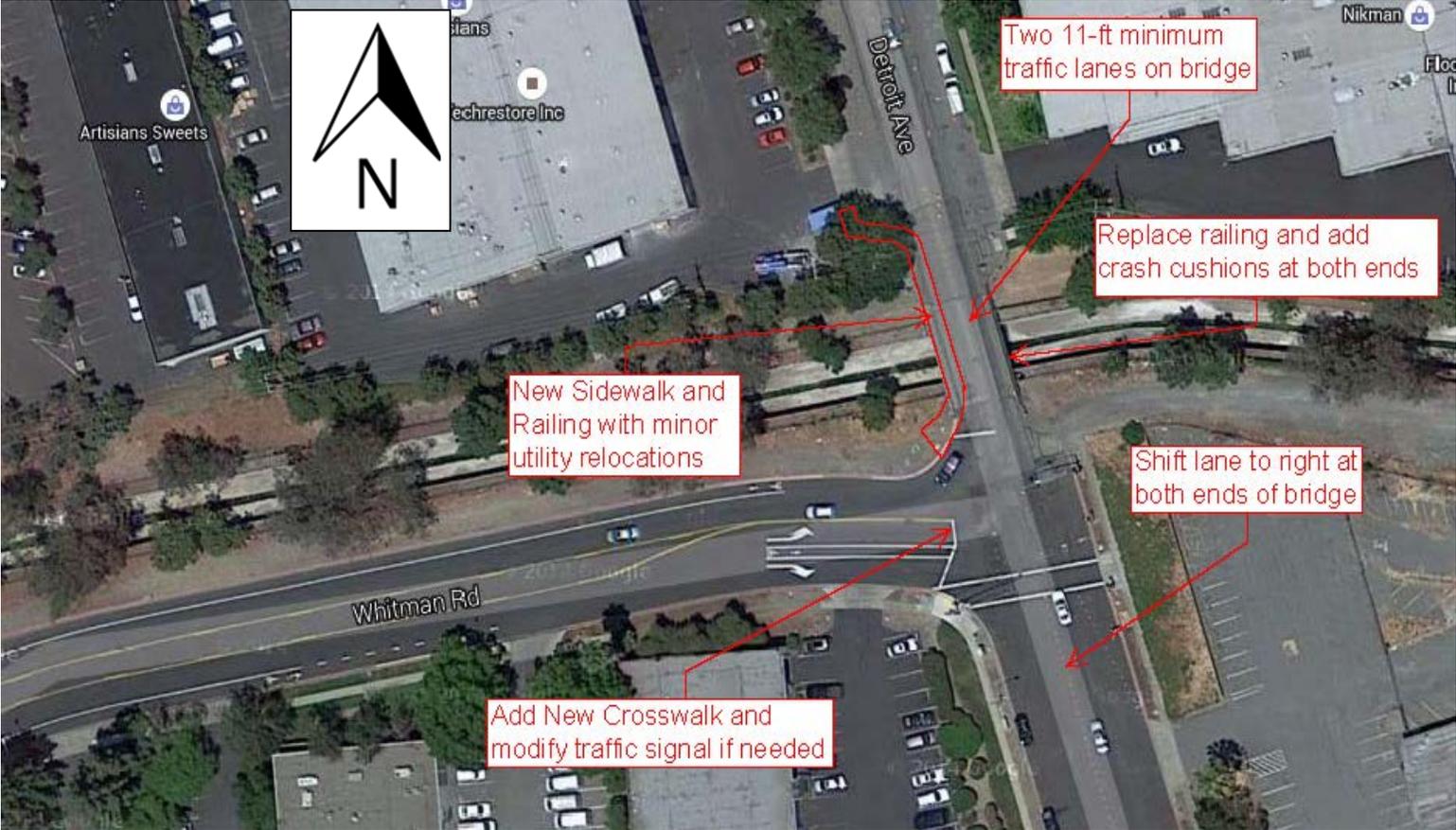
1. Figure 1 – Location Map
2. Figure 2 – Proposed Improvements Schematic
3. Figure 3 – Preliminary Construction Cost Estimate
4. Figure 4 – Preliminary Design Cost Estimate

Figure 1

Location Map



Proposed Improvements Schematic



Preliminary Construction Cost Estimate

ENGINEER'S ESTIMATE

PAGE 1

PROJECT: DETROIT AVENUE AND WHITMAN ROAD SAFETY IMPROVEMENTS

CITY OF CONCORD

EST BY E. CHAN

DATE: 10/29/2015 SPAN = 50 FT

CHK F. LO

DATE: 10/31/2015 WIDTH = 32.5 FT

ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	CLEARING AND GRUBBING	LS	1.0	\$3,000.00	\$3,000.00
2	TRAFFIC CONTROL SYSTEM (INCLUDING FLAGGERS)	LS	1.0	\$10,000.00	\$10,000.00
3	CONSTRUCTION AREA SIGNS	LS	1.0	\$2,000.00	\$2,000.00
4	SIGNING & STRIPING	LS	1.0	\$7,000.00	\$7,000.00
5	HANDICAPPED RAMPS	EA	1.0	\$3,500.00	\$3,500.00
6	5.5' CONCRETE SIDEWALK	SF	750.0	\$30.00	\$22,500.00
7	RCC CURB	LF	150.0	\$25.00	\$3,750.00
8	PAVEMENT GRINDING	SF	3000.0	\$1.50	\$4,500.00
9	2" AC OVERLAY	TON	36.3	\$150.00	\$5,437.50
10	TRAFFIC SIGNAL MODIFICATIONS	LS	1.0	\$35,000.00	\$35,000.00
11	MANHOLE COVER/UTILITY BOX ADJUSTMENT	LS	1.0	\$2,000.00	\$2,000.00
12	STURCTURE DEMOLITION (PORTION)	LS	1.0	\$4,000.00	\$4,000.00
13	STRUCTURAL CONCRETE (BRIDGE)	CY	11.0	\$2,000.00	\$22,000.00
14	DRILL AND BOND DOWELS	LF	110.0	\$50.00	\$5,500.00
15	CONCRETE BARRIER TYPE 732(MOD)	LF	100.0	\$150.00	\$15,000.00
16	RELOCATED CHAIN LINK RAILING	LS	1.0	\$2,000.00	\$2,000.00
17	CRASH CUSHION (UNIVERSAL TAU-II)	EA	2.0	\$12,000.00	\$24,000.00

ESTIMATED CONTRACT PRICE =	\$171,188
MOBILIZATION @ 10%	\$17,119
CONTINGENCIES @ 25%	\$47,077
TOTAL ESTIMATED CONTRACT PRICE	\$235,383

