

CITY OF WATSONVILLE

"Opportunity through diversity; unity through cooperation"



ADMINISTRATION BUILDING

275 Main Street, Suite 400
Fourth Floor
Fax 831.761.0736

MAYOR & CITY COUNCIL

275 Main Street, Suite 400
Fourth Floor

831.768.3008

CITY MANAGER

831.768.3010

CITY ATTORNEY

831.768.3030

CITY CLERK

831.768.3040

PERSONNEL

831.768.3020

CITY HALL OFFICES

250 Main Street

COMMUNITY

DEVELOPMENT

831.768.3050

Fax 831.728.6173

FINANCE

831.768.3450

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PUBLIC WORKS &

UTILITIES

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PURCHASING

831.768.3461

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REDEVELOPMENT & HOUSING

831.768.3080

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AIRPORT

100 Aviation Way

831.768.3480

Fax 831.763.4058

FIRE

115 Second Street

831.768.3200

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275 Main Street, Suite 100

First Floor

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PARKS & COMMUNITY SERVICES

30 Maple Avenue

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December 13, 2012

Rachel Moriconi, Senior Transportation Planner
Santa Cruz County Regional Transportation Commission
1523 Pacific Avenue | Santa Cruz, CA 95060

Subject: 12/14/12 Call for Projects – RSTP Funds

Dear Ms. Moriconi,

As requested in your November 2, 2012 Memorandum, the City of Watsonville is submitting the attached Funding Request Application for the December 14, 2012 Call for Projects for Regional Surface Transportation Program Funds. The application is for the Freedom Boulevard Reconstruction Project from Broadis Street to Alta Vista Avenue. The enclosed document was sent to you by email on December 13, 2012.

Should you have questions, please contact me by telephone at 831-768-3117 or by email at murray.fontes@cityofwatsonville.org.

Yours truly,

Murray A. Fontes, Principal Engineer
City of Watsonville Public Works & Utilities Department

attachment

FUNDING REQUEST APPLICATION

2012

Regional Surface Transportation Program (RSTP)

Project Name:

FREEDOM BOULEVARD RECONSTRUCTION PROJECT

From Broadis Street to Alta Vista Drive

Contents

1. Project Information Form
 - a. Exhibit A: Project Budget and Funding Plan
 - b. Exhibit B: Sample Engineers Estimate
 - c. Exhibit C: Project Benefits
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 - e. Project Location Map
 - f. Photo 1
 - g. Photo 2
 - h. Photo 3
 - i. Photo 4

Submitted by

The City Of Watsonville Public Works & Utilities Department

250 Main Street

Watsonville, California 95076

Telephone: 831-768-3100

December 13, 2012

PROJECT INFORMATION FORM

If you have any questions about this application or would like an electronic copy of the funding request packet, please call or email Rachel Moriconi at 831-460-3203 or rmoriconi@sccrtc.org.

A. Project Information

1. Project Title: *Freedom Boulevard Reconstruction Project from Broadis Street to Alta Vista Avenue.*
2. Amount of RSTP Funding Requested: *\$ 1,200,000*
3. Implementing Agency: *City of Watsonville*
4. Sponsoring Public Agency that has Master Agreement with Caltrans (if different from implementing agency):
Same
5. This is priority number *1* of *1* projects submitted. *(If requesting funds for more than one project)*
6. Project Description/Scope: *(Please describe the scope of work for the project, including all capital improvements or program characteristics. Please describe the improvements associated with each mode of transportation as applicable. Attach additional information if needed.)*

Freedom Boulevard is a primary arterial route within the City of Watsonville that connects the north end of town, including commercial and professional businesses and residential areas along Airport Boulevard and Green Valley Road with the south end of town, including the downtown area and Main Street/State Route 152. Freedom Boulevard extends beyond the northern City limits and serves as an alternate route to State Route 1. It serves several modes of transportation including automobile, transit, bicycle and pedestrians. Santa Cruz Metro Bus routes #69A & #71, which travel between the Santa Cruz and Watsonville Transit Centers, use this portion of Freedom Boulevard.

Improvements associated with each mode of transportation include the following:

Automobile – The asphalt, baserock, subgrade and native material within the upper 18 inches of the roadway shall be reconstructed using full depth rehabilitation. This green process reuses existing materials by breaking them up, mixing them with cement and water and compacting them in place. The existing concrete slab located beneath this portion of the roadway shall be removed and the rehabilitated material shall be overlaid with hot mix asphalt. Some utilities will need to be relocated or adjusted to grade. The detection systems on the three existing traffic signals within the project limits will be upgraded by installing traffic cameras in place of loop detectors in the area of the signals and replacing the loop detectors used for advance notification.

Transit – Existing bus pullouts shall be upgraded to include concrete pads to minimize damage to the roadway caused by stopping busses. The City shall coordinate with the Transit District to repair or replace existing bus stop shelters.

Bicycle – Reconstruction of the roadway shall enhance bicycle travel by providing an improved roadway surface. Additional improvements include installation of signage and striping, including sharrows.

Pedestrian – Existing curb, gutter and sidewalk will be removed and replaced. Curb ramps and driveways shall be constructed in accordance with ADA requirements. Improvements shall include modification or replacement of the retaining wall on the east side of Freedom Boulevard between Crestview Drive and Alta Vista Avenue.

7. Project Cost by Mode:

Please list the approximate percentage of total project costs related to different transportation modes in the chart below. Project description (#4) must include explanation of what will be done related to each applicable mode.

Road Rehab	Road –Auto Serving	Bicycle	Pedestrian	Transit	TDM*	TSM*	Planning	TOTAL
48 %	0 %	5 %	45 %	2 %	0 %	0 %	0 %	100%

*TDM=Transportation Demand Management (ex. rideshare programs); TSM=Transportation System Management (ex. ITS, signal sync)

8. Project Location/Limits (attach an 8 1/2" x 11" map and/or photos if available/applicable, include street names):

See attached map

a. Project Length (in miles or feet, if applicable): 0.8 mile

For road projects: What is the functional classification of this road, as defined by FHWA? Arterial
 (Note: STP funds cannot be used on roads functionally classified as “local” or “rural minor collectors” except for bridges not on federal-aid highways and as shown under [STP Eligible Activities](#))

9. Contact Person/Project Manager Name: Murray A. Fontes, Principal Engineer

Telephone Number: 831-768-3117

E-mail: murray.fontes@cityofwatsonville.org

B. Project Delivery Milestones - Complete either #13or 13b

(Enter the proposed schedule or actual completion of various project milestones):

10. Capital Projects - Schedule:

Project Milestone	Date
Begin Environmental (PA&ED) Phase	01/01/13
Circulate Draft Environmental Document	Document Type (ex. EIR) Negative Declaration
End Environmental Phase (PA&ED Milestone)	04/23/13
Begin Design (PS&E) Phase	04/23/13
End Design Phase (complete PS&E)	10/08/13
Begin Right of Way Phase	NA
End Right of Way Phase (Right of Way Certification Milestone)	NA
Request Authorization to Proceed with Construction (completion of all prior tasks)	12/03/13
Award Contract	01/28/14
End Construction Phase (Construction Contract Acceptance Milestone)	09/09/14
End Closeout Phase (Closeout Report)	09/09/14

13b. Non- Capital Projects - Schedule:

	Activity 1*	Activity 2*	Activity 3*
Start Activities (month/year)	NA		
End Activities (month/year)			

*Please state the activity to be completed (ex. preliminary planning, project implementation, project completion).

C. Project Cost Summary - Complete either #14 or 14b

11. Capital Projects – Total Cost Estimate:

Environmental (PA/ED)	Design (PS&E)	ROW	Construction	Other*	Contingency	Total Project Cost
\$2,500	\$80,000	\$2,500	\$1,846,000	\$100,00	\$369,000	\$2,400,000

*What is included in other? *Construction Support*

14b. Non-Capital Projects - Cost Estimate: (these are sample categories, modify to match your project implementation plan)

Administration/Staffing	Operations/Staffing	Consultant	Materials	Other
NA				

D. Required Attachments

- Attached is the *Project Budget* documentation. (Exhibit A)
- Attached is the *Engineers Estimate (Sample Exhibit B)* for capital projects; or detailed project cost estimate for non-capital/planning projects.
- Attached is the *Project Benefits* sheet (Exhibit C)
- Attached is the signed certification by the project-administering agency (Exhibit D) relating to agency administrative requirements.

EXHIBIT A
Project Budget & Funding Plan
Project Cost by Phase

Capital Projects:

*Enter the amount to be expended for each project phase in each fiscal year by funding source.
 Totals should calculate automatically if electronic file is used.*

Round figures to the nearest thousand dollars

Sources (Specify fund source type - ex. RSTP, STIP, AB2766, Local, TDA, etc)	Source Total	Phase of Work			
		Env'l (PA/ED)	Design (PS&E)	Right-of-Way (ROW)	Construction
New Funds Requested from RTC:	\$1,200,000	\$0	\$0	\$0	\$1,200,000
Source 2: Gas Tax	\$1,200,000	\$3,000	\$80,000	\$2,000	\$1,115,000
Source 3:	\$0	\$0	\$0	\$0	\$0
Source 4:	\$0	\$0	\$0	\$0	\$0
Source 5:	\$0	\$0	\$0	\$0	\$0
Source 6:	\$0	\$0	\$0	\$0	\$0
Source 7:	\$0	\$0	\$0	\$0	\$0
Total	\$2,400,000	\$3,000	\$80,000	\$2,000	\$2,315,000

Fiscal Year each component to begin				
	2013	2013	2013	2014
	Env'l (PA/ED)	Design (PS&E)	Right-of-Way (ROW)	Construction

Pending Funds: Highlight any funds that are yet not secured, describe below status/anticipated receipt date:

Pending Source 1:

Pending Source 2:

Pending Source 3:

EXHIBIT B
ENGINEERS ESTIMATE
CAPITAL PROJECTS ONLY

Cost Estimate Breakdown

	<u>Cost</u>
<u>ENVIRONMENTAL STUDIES AND PERMITS</u>	<u>3,000</u>
<u>PLANS, SPECIFICATIONS, AND ESTIMATE</u>	<u>80,000</u>
<u>RIGHT OF WAY</u>	
Right of Way Acquisition	<u>0</u>
Right of Way Support	<u>2,000</u>
Utility Relocation (exclude if included in construction)	<u>0</u>
TOTAL RIGHT OF WAY COMPONENT COST	<u>2,000</u>
 <u>CONSTRUCTION</u>	
<u>Pavement Structural Section Work</u>	<u>Cost</u>
Hot Mix Asphalt	<u>400,000</u>
Full Depth Rehabilitation	<u>113,000</u>
Remove Concrete Slab	<u>160,000</u>
 <u>Hardware Upgrades</u>	
Signals & Lighting	<u>67,000</u>
 <u>Grading</u>	<u>222,000</u>
<u>Utility Relocation</u>	<u>25,000</u>
<u>Minor Concrete</u>	<u>360,000</u>
<u>Retaining Wall</u>	<u>310,000</u>
<u>Striping & Signage</u>	<u>29,000</u>
<u>Other</u> – Survey, Water Pollution, SWPPP, Mobilization & Traffic Control	<u>160,000</u>
SUBTOTAL	<u>1,846,000</u>
20% Contingency	<u>369,000</u>
TOTAL CONSTRUCTION COST	<u>2,215,000</u>
Construction Support	<u>100,000</u>
TOTAL CONSTRUCTION COMPONENT COST	<u>2,315,000</u>

EXHIBIT C
Project Benefits

Given the large backlog of transportation needs in the region and the extremely limited amount of funding available, it is important to ensure that funds are used cost effectively to maximize benefits to the transportation system. Additionally state and federal rules, as well as RTC policies, require consideration of how projects will contribute towards implementation of the long-range transportation plan and the achievement of one or more transportation goals. Therefore, project benefits will be taking into consideration when evaluating projects. **Projects are not expected to address all of the following. Please write N/A where something is not applicable to your project.**

- 1. Generally, what are the benefits of this project?** (ex. goal/purpose/benefit of project; problem to be addressed; importance to the community):

The proposed project will benefit travelers within the City of Watsonville as well as those travelling to and from the City. Freedom Boulevard is both a primary arterial route within the City and an alternate route to State Route One. As such, it serves those that want to travel within the City and those that are travelling between the City and the north county area. The proposed project will benefit numerous travelers and their various modes of travel, including automobile, transit, bicycle and pedestrian. Freedom Boulevard connects the numerous commercial, professional and residential areas at Airport Boulevard and Green Valley Road with the downtown and Main Street/State Route 152. Reconstruction of the roadway and sidewalk will preserve the existing transportation infrastructure and improve its current condition. Upgrades to the traffic signals will improve travel time, reduce fuel consumption and greenhouse gas emissions and increase the efficiency of the existing transportation system. The newly paved roadway and improved signage and striping will increase safety. Using full depth rehabilitation to reconstruct the roadway will benefit the natural environment by recycling existing materials in place and minimizing green house gas emissions during construction.

- 2. How many travelers will be served by/benefit from this project per day?** 26,400

ADT volumes (if applicable) 23,500

Other (e.g. avg. number of people directly served/day; number of users of facility/day; TDM-direct participants and indirect beneficiaries) 2,900 = Total average daily transit bus ridership (taken from Santa Cruz Metro data) for Routes #69A and #71

- 3. What are the destinations served by this project? (e.g. employment centers, senior centers, schools, groceries, transit centers, etc.)**

Within the limits of the project are various Watsonville offices of the Santa Cruz County Health Services Agency, two large shopping centers and several individual parcels with commercial and professional businesses. On Alta Vista Avenue and within a block of Freedom Boulevard are HA Hyde Elementary School and an office of the Department of Motor Vehicles. Freedom Boulevard is a primary arterial route within the City of Watsonville that connects the areas along Airport Boulevard and Green Valley Road in the north with the downtown and Main Street/State Route 152 in the south. Freedom Boulevard extends north beyond the City limits and serves as an alternate route to State Route 1. Santa Cruz Metropolitan Transit Bus routes #69A & #71, which travel between the Santa Cruz and Watsonville Transit Centers, use this portion of Freedom Boulevard.

4. Does this project preserve existing transportation infrastructure/facilities or services?

Highlight why this location is a priority for preservation, e.g. if project is part of a pavement management plan.

This project shall reconstruct a significant portion of one of Watsonville's primary arterial corridors. Improvements would include facilities used by automobile, transit, bicycle and pedestrians, including roadway, traffic signals, bus stops and sidewalks. Reconstruction of this portion of Freedom Boulevard is a part of the City of Watsonville's Pavement Management Program.

5. Does this project increase access or reduce pollution? If so, how? If not applicable, put N/A.

For example, does the project address any of the following?

- *Increase the percentage of people that could walk, bike, or take transit to key destinations within 30-minutes or less*
 - *Close gaps in the bicycle, pedestrian and transit networks*
- *Improve the convenience and quality of trips*
 - *Improve travel time reliability*
 - *Improve level of service for walk and bicycle trips to and within key destinations*
- *Reduce fuel consumption and/or reduce greenhouse gas emissions*
 - *Reduce vehicle miles traveled per capita*
 - *Improve speed consistency*
- *Increase the efficiency of the existing transportation system.*
 - *Decrease the number of people traveling in single occupancy vehicles*
 - *Expand Transportation Demand Management (TDM) Programs*
 - *Implement Transportation System Management (TSM) Programs/Projects*

Improvements to the traffic signals will reduce pollution. These shall include installing traffic cameras in place of loop detectors in the area of the traffic signals and replacing the loop detectors used for advance notification. These modifications will create a more reliable traffic system and improve speed consistency within Freedom Boulevard and adjacent streets. This work will compliment two current traffic signal projects in this area. One involves synchronizing traffic signals and uses grant funds from the Monterey Bay Unified Air Pollution Control District and the State Traffic Light Synchronization Program. The other includes upgrades to the signals using State Highway Safety Improvement Funds.

Improvements to the bicycle and pedestrian facilities will reduce pollution and increase access as they make cycling and walking a more viable option. The proposed bike facilities will connect to those recently installed with the previous Freedom Boulevard project.

6. Does this project increase safety? Describe. If not applicable, put N/A.

For example:

- *Will project reduce injury and/or fatal collisions?*
- *Will project provide access to emergency services?*
- *Does project reduce the potential for conflict between bicyclists, pedestrians, and/or vehicles?*

The reconstructed roadway and new signage and striping will improve the safety of motorists and cyclists by creating a smoother travel surface and better defined path of travel. The new sidewalk will improve the safety of pedestrians by providing ADA compliant curb ramps and driveways.

Improvements to the traffic signals will increase safety as they create a more reliable traffic system and improve speed consistency. These improvements are supplemented by two current traffic signal projects in this area that synchronize the traffic signals and upgrade the existing equipment. One upgrade involves installation of Opticom equipment that will provide signal preemption to emergency vehicles. Another upgrade includes new pedestrian push buttons, pedestrian signal heads that countdown and audible pedestrian crossing signals.

7. How does the project increase access and safety cost effectively, equitably and responsive to the needs of all users and/or benefit the natural environment? If not applicable, put N/A.

For example, does project do one of more of the following?

- *Improve coordination between agencies in a manner that improves efficiencies, reduces costs and duplication*
- *Reduce disparities in safety and access to key destinations for people who are transportation disadvantaged due to age, income, disability or limited English proficiency*
- *Increase ecological function, such as increasing tree canopy, improving habitat and water quality and/or enhancing sensitive areas (e.g. reduce storm water runoff)*

Improvements to the transit facilities, including installation of concrete pads to minimize damage to the roadway caused by stopping busses and repair or replacement of existing bus stop shelters will be coordinated with Santa Cruz Metro. The full depth rehabilitation process used to reconstruct the roadway will recycle existing materials in place and reduce the impact of construction on the environment. This green process breaks up and mixes the asphalt, baserock, subgrade and native material within the upper 18 inches of the roadway with cement and water to form a stable base material. It is then compacted in place and overlaid with hot mix asphalt to provide a reconstructed roadway. Recycling these materials in place avoids the need to use heavy equipment and trucks to remove, off-haul and dispose of existing material and import and install new material.

8. Has public input been sought on this project? What is the public engagement plan for implementing this project? Is it identified in an adopted plan or other document?

The Freedom Boulevard Reconstruction Project is identified on the Capital Improvement Project List included with the City's 2011/2113 Budget. It is in the 2010 Regional Transportation Plan. This portion of Freedom Boulevard was included with 2012 City of Watsonville Trails and Bicycle Master Plan and the 2012 City of Watsonville Urban Greening Plan.

The Freedom Boulevard Reconstruction Project has been identified in several adopted plans and documents. These include the Capital Improvement Project List in the City of Watsonville's 2011/2013 Budget and the 2010 Regional Transportation Plan. This portion of Freedom Boulevard is included in the 2012 City of Watsonville Trails and Bicycle Master Plan and the 2012 City of Watsonville Urban Greening Plan. Each of these plans and documents were reviewed through the public process prior to their adoption. This included holding public hearings and circulating the plans and documents for review.


During the past several years, City staff has been in contact with various members of the public concerning the condition of the roadway and the need for improvements. During the design and construction of the project, staff will be in contact with property and business owners within the project area to notify them of the proposed improvements, coordinate the work and identify ways to reduce the impact on them.

EXHIBIT D
AGENCY CERTIFICATION & ASSURANCES

I, Maria Esther Rodriguez, as authorized representative of the City of Watsonville hereby certify that the information contained in this application, including required attachments, is accurate and hereby certify the following:

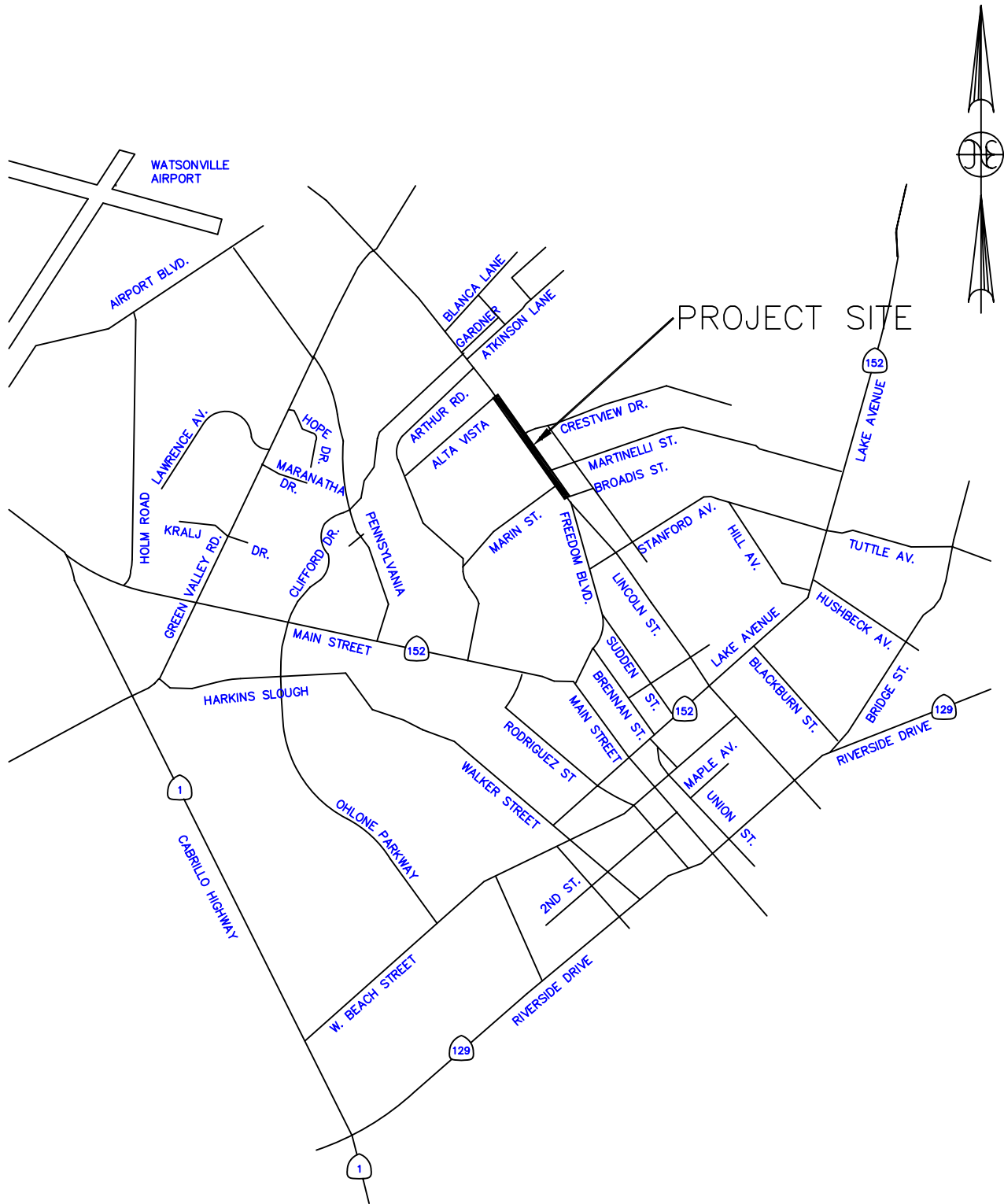
1. The project implementing agency possesses legal authority to nominate federal-aid projects and to finance, acquire, construct, and/or implement the proposed project and I am authorized to nominate projects for funding from the Regional Transportation Commission (RTC);
2. This project is among the highest priorities for this agency;
3. The proposed transportation investments have received the full review and vetting required by law;
4. Such investments are an appropriate use of taxpayer dollars. The agency shall adhere to principles and policies that ensure government oversight and management of the contracting process to ensure taxpayer funds are spent wisely; contracts are not wasteful, inefficient, or subject to misuse; unnecessary no-bid and cost-plus contracts are avoided; and contracts are awarded according to the best interests of California taxpayers;
5. The agency will maintain and operate the property acquired, developed, rehabilitated, or restored for the life of the resultant facility(ies) or activity. I understand that with the approval of the California Department of Transportation, the Administering Agency or its successors in interest in the property may transfer the responsibility to maintain and operate the property;
6. The agency will commit the funds necessary to ensure this project is fully funded;
7. If these new funds are used to replace funds previously committed to this project, the agency will maintain its effort with regard to redirecting those funds to similar transportation projects;
8. The agency will give the California Department of Transportation's representative access to and the right to examine all records, books, papers, or documents related to the project;
9. Work on the project shall commence within a reasonable time after receipt of notification that funds have been approved by the applicable federal or state agency (FHWA, FTA, Caltrans, etc) and that the project will be carried to completion with reasonable diligence;
10. The agency will comply where applicable with provisions of the California Environmental Quality Act, the National Environmental Policy Act, the Americans with Disabilities Act, the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation, and any other federal, state, and/or local laws, rules and/or regulations; and
11. The agency shall comply with all reporting requirements outlined by FHWA, RTC and/or Caltrans, as applicable.

Signed

Date 12/13/12

Printed (Name and Title) Maria Esther Rodriguez, Assistant Director of Public Works & Utilities
Agency City of Watsonville

PROJECT LOCATION MAP



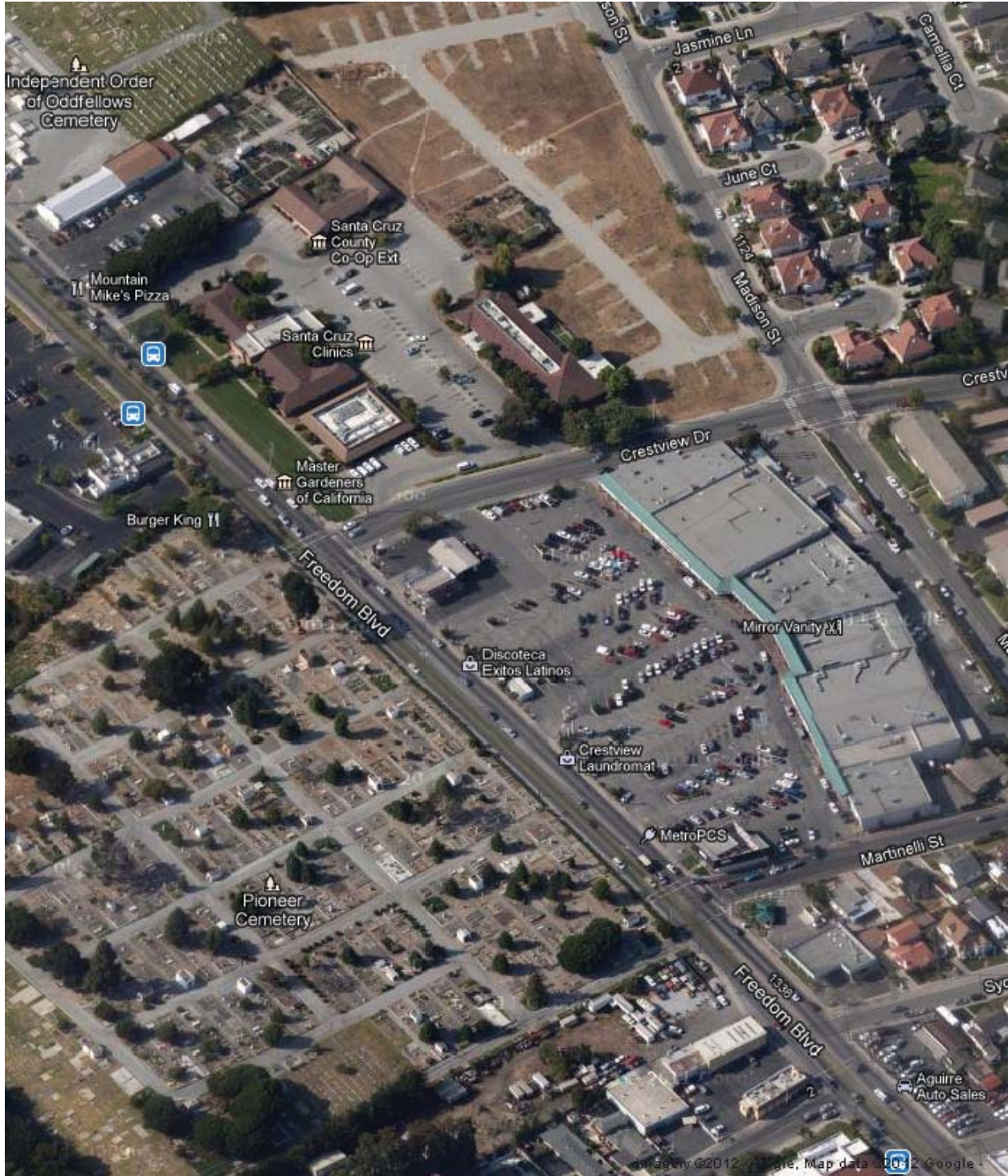
CITY OF WATSONVILLE
FREEDOM BLVD RECONSTRUCTION PROJECT
BROADIS ST TO ALTA VISTA AVE

SCALE 1" = 1/2 MILE

DRAWN BY: MAF

12/06/12

Photo 1 – Health Agency Offices and Shopping Center



Santa Cruz County Health Services Agency offices at the northeast corner of Freedom Boulevard and Crestview Drive.

Shopping Center on east side of Freedom Boulevard between Crestview Drive and Martinelli Street

Photo 2 – Shopping Center



Shopping Center at the southwest corner of Freedom Boulevard and Alta Vista Avenue

Photo 3 – Bus Shelter and Failing Pavement



Bus Shelter and failing pavement on east side of Freedom Boulevard in front of the Santa Cruz County Health Services Agency offices

Photo 4 – Curb Ramp, Driveway and Failing Pavement



Non-compliant ADA compliant ramp and driveway and failing asphalt at northeast corner of Freedom Boulevard and Sycamore Street