

Capitola City Council

Agenda Report



Meeting: July 27, 2023

From: Public Works Department

Subject: Capitola Road Pavement Rehabilitation Project

Recommended Action: Approve the plans, specifications, and construction budget of \$1,700,000 for the Capitola Road Pavement Rehabilitation Project; adopt a resolution amending the FY 2023-24 budget; and authorize the Department of Public Works to advertise for construction bids.

Background: Capitola Road, between 30th and 41st Avenues, is a principle arterial road with a pavement condition index (PCI) of 30-48 (poor condition). The 2022 Pavement Management Project Update (PMP), approved by the City Council on June 9, 2022, includes the rehabilitation of this section of roadway in 2023 at an estimated cost of \$1.2M. The Fiscal Year 2023-2024 budget includes an allocation of \$836,500 for the Capitola Road Pavement Rehabilitation Project (Project), inclusive of California SB1, Measure D, and grant funding from the Santa Cruz County Regional Transportation Commission (SCCRTC). The Project will restore deteriorated pavement from the 41st Avenue intersection west to 30th Avenue, bike lane realignment approaching 30th Avenue, green bike lane markings at intersections, and upgraded ADA curb ramps.

During Project design, an investigation was completed by Kimley Horn on feasible intersection improvements that to improve traffic operations and bicycle and pedestrian safety at the 41st Avenue and Capitola Road intersection. Staff also reviewed and received comments on the Project from the SCCRTC Elderly and Disabled Transportation Advisory and Bicycle Advisory Committees. Based on this input the project scope was finalized.

Discussion: An abbreviated set of Project plans and final striping plans are included as Attachment 1. The full set of plans and specifications is available at City Hall. Significant components of the project include:

Pavement Rehabilitation: Pavement rehabilitation includes removing 4" of pavement surface layer with a milling machine and laying 4" of new asphalt (4" mill-and-fill). The PMP had assumed light rehabilitation (2" mill-and-fill) would address the condition of Capitola Road between Clares Street and 41st Avenue. It became apparent in the development of the project plans and specifications that the poor condition of the pavement on the full length of the project requires heavy rehabilitation to increase the longevity of the roadway.

Pedestrian Improvements: Pedestrian striping at signalized intersections will be installed with high durability thermoplastic material. Curb ramps will be modified to meet current ADA standards. Tree removal at the south side of the Capitola Road and Clares Street intersection is required to repair and prevent further damage to the pavement in the adjacent bicycle and drive lanes. A tree removal application has been submitted and the required noticing is complete.

Bicycle Improvements: Bicycle striping approaching signalized intersections will be installed with green thermoplastic material. The bike lane will be realigned westbound approaching 30th Avenue and installed with green thermoplastic material.

41st Avenue and Capitola Road Intersection: Striping modifications to this intersection include the addition of:

- Crossbike intersection markings. The thermoplastic green bicycle lane extensions increase awareness of bicyclists to motorists and guides bicyclists on a direct path through the intersection. This is in addition to white pedestrian crossing markings in the intersection.

- Bike box striping to facilitate left turns for cyclists on eastbound and westbound Capitola Road onto northbound and southbound 41st Avenue, respectively. The addition of the bike boxes requires the modification of right turn movements from Capitola Road onto 41st Avenue.
 - A dedicated right turn lane on eastbound Capitola Road onto southbound 41st Avenue. The addition of this lane allows for “right turn on red” movements onto 41st Avenue.
 - A “No turn on red” established in the far-right lane of westbound Capitola Road restricting turning onto northbound 41st Avenue. There is not enough right of way in the area of the intersection for the addition of a dedicated right turn lane.

Signal phasing at this intersection was recently evaluated and modified with the 41st Avenue Adaptive Traffic Signal Project in 2022. The feasibility of bicycle striping improvements to improve safety for cyclists was thoroughly evaluated by traffic consultant Kimley Horne and staff, and reviewed by the SCCRTC Bicycle Advisory Committee. Due to the traffic volume and geometric constraints of 6-lane dual arterial intersection, it was determined that alternative layouts, such as bike boxes at all four intersection approaches or two-stage turning queues, would result in significant traffic delays as “right turn on red” traffic movements could not be permitted. The striping plan described above provides increased bicycle access and visibility, while maintaining the existing level of service at the intersection.

Fiscal Impact: The Fiscal Year 2023-2024 budget includes an allocation of \$836,500 for the City to implement the Capitola Road Pavement Rehabilitation Project and \$900,000 for general pavement maintenance. The engineer’s estimate for this project is \$1,700,000 (Attachment 2). Since first estimated in 2022, costs of pavement maintenance have increased significantly. The increase in the level of road rehabilitation required, noted above, also contributes to the overall increase cost of the project. Staff recommends a budget appropriation from the general pavement budget. Gas Tax (SB1) and Measure D revenues estimated for FY24-25 are still anticipated to fully fund the streets identified for treatment for 2024 in the PMP.

Total proposed funding for this project is outlined below.

Table 1. Project Proposed Funding

Source	Appropriation
Transportation Grant	\$227,000
RTC Measure D	\$366,000
State SB 1	\$243,500
Pavement Maintenance Project (Proposed)	\$900,000
Total Funding	\$1,736,000

California Environmental Quality Act (CEQA): This project is categorically exempt under the CEQA Guidelines Section 15301 (c) for the maintenance, repair, or minor alteration of existing facilities, as it consists of repair and maintenance of existing public facilities, involving negligible or no expansion of existing or former use.

Attachments:

1. Project Plans
2. Engineer’s Estimate
3. Resolution

Report Prepared By: Jessica Kahn, Public Works Director

Reviewed By: Julia Moss, City Clerk; Tamar Burke, Assistant City Attorney

Approved By: Jamie Goldstein, City Manager