

Capitola City Council

Agenda Report



Meeting: June 9, 2022

From: Department of Public Works

Subject: Pavement Management Plan Update and 5-Year Road Repair Plan

Recommended Action: Approve the proposed 5-year street improvement schedule list, and direct staff to prepare a resolution for adoption at the June 23 City Council meeting approving the list of streets receiving 2022/23 Road Repair and Rehabilitation (SB 1) funds.

Background: Pavement Engineering Inc. (PEI), was awarded a contract to update Capitola’s Pavement Management Plan and prepare a proposed 5-year street improvement schedule. In preparing the report PEI inspected each City-maintained street, mapping its area and overall pavement condition. PEI also updated the estimated cost for pavement treatments based on current market conditions.

The overall pavement condition of a street is reported as a pavement condition index, or PCI, which is a measurement of the pavement condition ranging from 0 to 100. A newly constructed street will have a PCI of 100, while a failed street will have a PCI of 25 or less. A PCI above 70 is considered “good/very good”. A PCI between 50 and 70 is considered “fair.”

The average 2022 PCI of the City street network is 54.

Discussion: The following table summarizes the existing pavement conditions by functional classification:

Functional Classification	Centerline Miles	Lane Miles	Pavement Area (sq. ft.)	Percent of System	Average PCI
Arterial	8.94	19.41	1,699,023	36.22%	61
Collector	4.53	9.06	793,121	16.91%	52
Residential	13.58	26.50	2,198,286	46.87%	49
Totals	27.05	54.97	4,690,430	100.00%	<i>Avg. 54</i>

Using the data from the report, PEI developed budget scenarios representing differing targets and projected funding levels. These funding scenarios are listed on Page 6 of the Executive Summary which is included as Attachment 1. The full report is available in the Public Works Department. An alphabetic list of street segments with relevant data including PCI rating is included as Attachment 2.

Scenario 6 in the report is based on a projected existing funding level of \$540,000- per year. This amount is made up from the revenue total of the Road Maintenance and Rehabilitation Act (SB 1) fund and the Santa Cruz County Transportation Commission Measure D fund. Attachment 3 is a proposed 5-year street improvement schedule based on this funding level for the Council’s consideration. The estimated costs in Scenario 6 exceed the \$540,000 funding income as additional funding sources (grants) and fund balances are anticipated. In addition, the 5-year schedule will be subject to annual revisions as actual funding is realized and project plans developed.

The table below is a summary of the proposed 5-year schedule.

Year	Road Name	Begin Location	End Location
2023	CAPITOLA RD	30 ST AV	41ST AV
2024	41ST AV	REPOSA AVE	JADE ST / BROMMER ST
	42ND AV	CAPITOLA RD	CLARES ST
	47TH AV	PORTOLA DR	TOPAZ ST
	ALMA LN	ROSEDALE AV	E END
	BEVERLY AV	RIVERVIEW DR	CAPITOLA AVE
	CARL LN	ROSEDALE AV	E END
	CHERRY AV	FANMAR WY	PARK PL
	CLIFF DR	WHARF RD	OPAL CLIFF DR
	FRANCESCO CR	CLARES ST	CLARES ST
	HILL ST	BAY AV	E END
	OAK DR	RIVERVIEW DR	BAY AV
	OPAL CLIFF DR	CLIFF DR	CITY LIMIT
	PLUM ST	ROSEDALE AV	E END
	PORTOLA DR	OPAL CLIFF DR	CITY LIMIT
	REPOSA AV	38TH AV	41ST AV
	RIVERVIEW AV	TRESTLE	BAY AV
	ROSEDALE CT	WEST END	ROSEDALE AVE
	STOCKTON AV	CAPITOLA AV	CLIFF DR
	SUNSET DR	RIVERVIEW DR	CENTER ST
2025	ESPLANADE	STOCKTON AV	MONTEREY AV
	MONTEREY AV	ESPLANADE	CAPITOLA AVE
	SAN JOSE AV	CAPITOLA AV	ESPLANADE
	TERRACE WY	SAN JOSE AV	FANMAR WY
	ALLEY ABOVE CHERRY AVE	TERRACE WY	FANMAR WY
2026	CABRILLO ST	PARK AV	ORCHID AV
	CORTEZ ST	SIR FRANCIS AV	COLUMBUS DR
	SIR FRANCIS AV	CABRILLO ST	KENNEDY DR
2027	41ST AV (NB)	CLARES ST	NORTH CITY LIMIT

SB 1 requires adoption of a resolution annually to list the street segments receiving SB 1 funds. Based on the final adoption of the 5- year project list schedule tonight, staff will prepare a resolution for the Council's consideration at the June 23 meeting.

Fiscal Impact: There is no immediate fiscal impact of the adoption of a 5-year schedule.

Attachments:

1. 2022 PMP Update – Executive Summary
2. Alphabetic List of Streets with PCI rating
3. Proposed 5-Year Schedule Packet

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Reviewed By: Chloé Woodmansee, City Clerk; Samantha Zutler, City Attorney

Approved By: Jamie Goldstein, City Manager