

Staff Report

August 8, 2023

TO: Honorable Mayor and Members of the Town Council
FROM: Merrill Buck, Town Engineer
RE: Authorization to Advertise the 2023 Asphalt Rubber Cape Seal Project for Bids, Appropriation of Funds, Approval of a Construction Budget, and Authorization to Enter into a Contract with the Lowest Responsible Bidder

Recommendation

Staff recommends that the Town Council adopt a resolution:

1. Approving the plans and specifications and authorizing the advertisement for bids for the 2023 Asphalt Rubber Cape Seal Project; and
2. Appropriating \$1,500,000 from the General Fund Capital Reserves (Fund 110) to the Asphalt Rubber Cape Seal Project; and
3. Authorizing the expenditure of a construction budget in the amount of \$1,670,000; and
4. Authorizing the Town Manager to execute a construction contract with the lowest responsive and responsible bidder if their bid is within the construction budget.

Issue Statement and Discussion

By proactively maintaining Town roads in good condition, the pavement life is extended to maximize the road's longevity and reduce the overall cost of maintenance. To achieve this, the Town of Loomis utilizes a comprehensive Pavement Management Program (PMP) that helps allocate funding towards appropriate resurfacing treatments on the Town's streets and roads.

The PMP aims to improve the Town's overall pavement condition by targeting a mix of both "preventative maintenance" measures in the form of seal coats and "rehabilitation" measures in the form of asphalt overlays. Seal coats are less expensive, and like a coat of paint, tend to be applied at more regular intervals. Whereas asphalt overlays are more expensive, offer more structural, load-bearing capacity, and are therefore typically reserved for the busier arterial and collector streets.

Ideally, you want to resurface streets when they can still benefit from a seal coat. The type of seal coat used can vary from a slurry seal (sand and oil) which is used to re-establish a top wearing surface, to a more substantial rubber cape seal (rubberized sealant, with gravel on top, then covered with a slurry seal). The rubber cape seal, being more substantial than a slurry seal, is better and resisting cracks and preventing the formation of potholes.

Last year, a field inspection of all the Town's residential streets was performed to determine which streets would make good slurry seal candidates. These streets were then packaged into a project and resurfaced as part of the 2022 Slurry Seal Project. Many of the streets in Town

were too badly cracked for a slurry seal to be effective, and were instead put on hold and targeted for a rubberized cape seal.

On March 14, 2023, staff gave a presentation to the Town Council on the Town's overall deteriorating pavement condition and resurfacing needs. A big part of the resurfacing strategy presented involved the implementation of a successful CalRecycle Rubberized Pavement Grant application, which will reduce the cost of a rubber cape seal treatment by \$1.00 per square yard (about 15%).

From the list of asphalt rubber cape seal candidate streets, those requiring little to no prep-work are being pursued this year for resurfacing. Those that are in worse condition, with either pot-hole repairs or asphalt leveling courses needed to address ruts and depressions will be prepped under a separate Pothole Patching and Asphalt Leveling Course Project and then programmed for an asphalt rubber chip seal next year. This still allows the Town to take advantage of the CalRecycle grant as the performance period extends over two years.

Plans and Specifications:

Plans and specifications for the 2023 Asphalt Rubber Cape Seal Project have been completed and staff is requesting that the Town Council authorize the advertisement for sealed bids from qualified contractors for this work. Work includes the full-width street resurfacing of approximately 6.5 miles of residential streets along with 2 miles of collector streets as additive bid item work, to be completed if prices are within budget. Five streets have also been selected for a Type I (fine-sand) slurry seal, to further extend the life of the streets while also addressing some roughness concerns.

Traffic Impacts:

Due to the nature of this project, full-width road closures will need to be implemented while the resurfacing treatment is applied and allowed to dry. As a result, Town residents and the traveling public will experience some inconveniences during construction. The following measures will be implemented to help mitigate these impacts:

- Residents will receive an advanced notification flyer informing them of the work to be done, the anticipated schedule, and the parking restrictions that will be implemented.
- The schedule for performing the work will be developed to stagger adjacent streets to different days, when possible, to minimize walking distances while the roads are closed.
- The contractor will be required to post No Parking signs, as parking restrictions, no less than 72 hours before the start of work.
- Traffic control plans will be developed and implemented by the Contractor with road closed signs and detour routes.
- For locations near schools, the contractor will be required to perform the work when school is either not in session or during periods outside of peak hours, when there is no school pick-up or drop-off occurring.

A Notice Inviting Bids for the project has been uploaded to the Town's website, will be advertised twice in the local paper, and distributed to local plan rooms. The bid opening date has been scheduled for Thursday August 17, 2023.

The Engineer's Estimate for the construction of the project improvements, with contingencies, is \$1,670,000. Should the base bid, with or without the additive items of work, from the lowest responsive and responsible bidder be less than this amount, it is recommended that the Town Council authorize the Town Manager to enter into a contract.

Schedule:

If awarded, work on the project is anticipated to begin early September and be completed over a 6-8 week timeframe.

Advertise for Bids	August 4 th and August 11 th
Open Bids / Award Contract	August 17, 2023
Start Construction	September 2023
Finish Construction	November 2023

CEQA Requirements

The proposed project scope, which consists of resurfacing existing streets, is categorically exempt from the provisions of the California Environmental Quality Act pursuant to CEQA Guidelines Section 15301(c), Existing Facilities - Highways and Streets.

Financial and/or Policy Implications

The adopted FY 2023-24 Capital Improvements Program has \$425,000 in approved funding for the Street Resurfacing Program, budgeted from Transportation Funds. These funds are being reserved for a Pothole Patching and Asphalt Leveling Course Project that will be bid later this year.

To fund the 2023 Asphalt Rubber Cape Seal Project, it is recommended that \$1,500,000 be appropriated from the Town's General Fund Capital Reserves (Fund 110). Sufficient funds are available in Fund 110 for the recommended appropriation. There is also revenue from a successful CalRecycle Rubberized Pavement Grant amounting to \$1.00 per square yard of rubber chip seal placed, that the Town expects to receive, which can be used as a contingency for the project. An appropriation of up to \$170,000 in grant funds (depending upon the selection of base and additive work scope) is therefore also recommended as a project appropriation which would bring the recommended construction budget with contingencies to \$1,670,000.

Some of the streets scheduled for resurfacing are within subdivisions that created a Maintenance District at the time of the subdivision's approval. These Maintenance Districts have annual assessments on each of the subdivision's parcels to cover the ongoing maintenance of public improvements, such as streets. The cost associated with completing the work within each Maintenance District will therefore be determined at the conclusion of the project, and a transfer will be made from each individual Maintenance District's Fund to the Town's General Fund Capital Reserves, which will front the project cost, upon approval of the recommended appropriation.

Attachments

- A. Resolution
- B. Location Map
- C. Street List

TOWN OF LOOMIS

RESOLUTION 23 - _____

**A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF LOOMIS
AUTHORIZING THE TOWN MANAGER TO EXECUTE A CONTRACT FOR THE
2023 ASPHALT RUBBER CAPE SEAL PROJECT WITH THE LOWEST RESPONSIVE AND
RESPONSIBLE BIDDER IN AN AMOUNT NOT TO EXCEED \$1,670,000**

WHEREAS, the Town has identified the 2023 Asphalt Rubber Cape Seal Project as a needed capital improvement with work scope that involves the full-width street resurfacing of approximately 6.5 miles of residential street along with 2 miles of collector streets as additive bid item work; and

WHEREAS, in accordance with procedures defined in the Public Contract Code, the Public Works Department has prepared plans, specifications and an estimate for the 2023 Asphalt Rubber Cape Seal Project and is ready to advertise the project for bids; and

WHEREAS, the recommended construction budget, which consists of the anticipated construction contract amount plus construction contingencies is \$1,670,000; and

WHEREAS, funding for the project will need to be budgeted; and

WHEREAS, it is recommended that \$1,500,000 be appropriated to the project from the Town's General Fund Capital Reserves (Fund 110) and \$170,000 be appropriated from an approved CalRecycle Rubberized Pavement Grant that provides funding in the amount of \$1.00 per square yard of asphalt rubber cape seal installed; and

WHEREAS, there are sufficient funds available in the General Fund Capital Reserves for the recommended appropriation; and

WHEREAS, some of the streets to be resurfaced are within Maintenance Districts, which are responsible for the cost of maintaining public improvements such as streets, within their respective Maintenance District. Upon completion of the project, the cost of work within each Maintenance District shall be determined, and a reimbursement shall be made from each Maintenance District's Fund, in an amount equaling the cost of improvements within that Maintenance District. Reimbursement shall be made to the Town's General Fund Capital Reserves fund balance; and

WHEREAS, the project will be advertised publicly, sealed bids will be accepted and opened by the Town Clerk, and if the lowest responsive and responsible bid is found to be within the approved construction budget, it is the intent of the Town Council to allow staff to proceed with awarding and administering the construction of the project.

NOW, THEREFORE, IT IS HEREBY RESOLVED that the Town Council of the Town of Loomis hereby:

1. Approves the plans and specifications and authorizes the advertisement for bids for the 2023 Asphalt Rubber Cape Seal Project; and
2. Appropriates \$1,500,000 to the project from the General Fund Capital Reserves (Fund 110) and \$170,000 from revenue anticipated under an approved CalRecycle Rubberized Pavement Grant; and
3. Authorizes the expenditure of a construction budget in the amount of \$1,670,000; and

4. Authorizes the Town Manager to execute a construction contract with the lowest responsive and responsible bidder if their bid is within the construction budget.

PASSED AND ADOPTED this 8th day of August, 2023 by the following vote:

AYES:

NOES:

ABSENT:

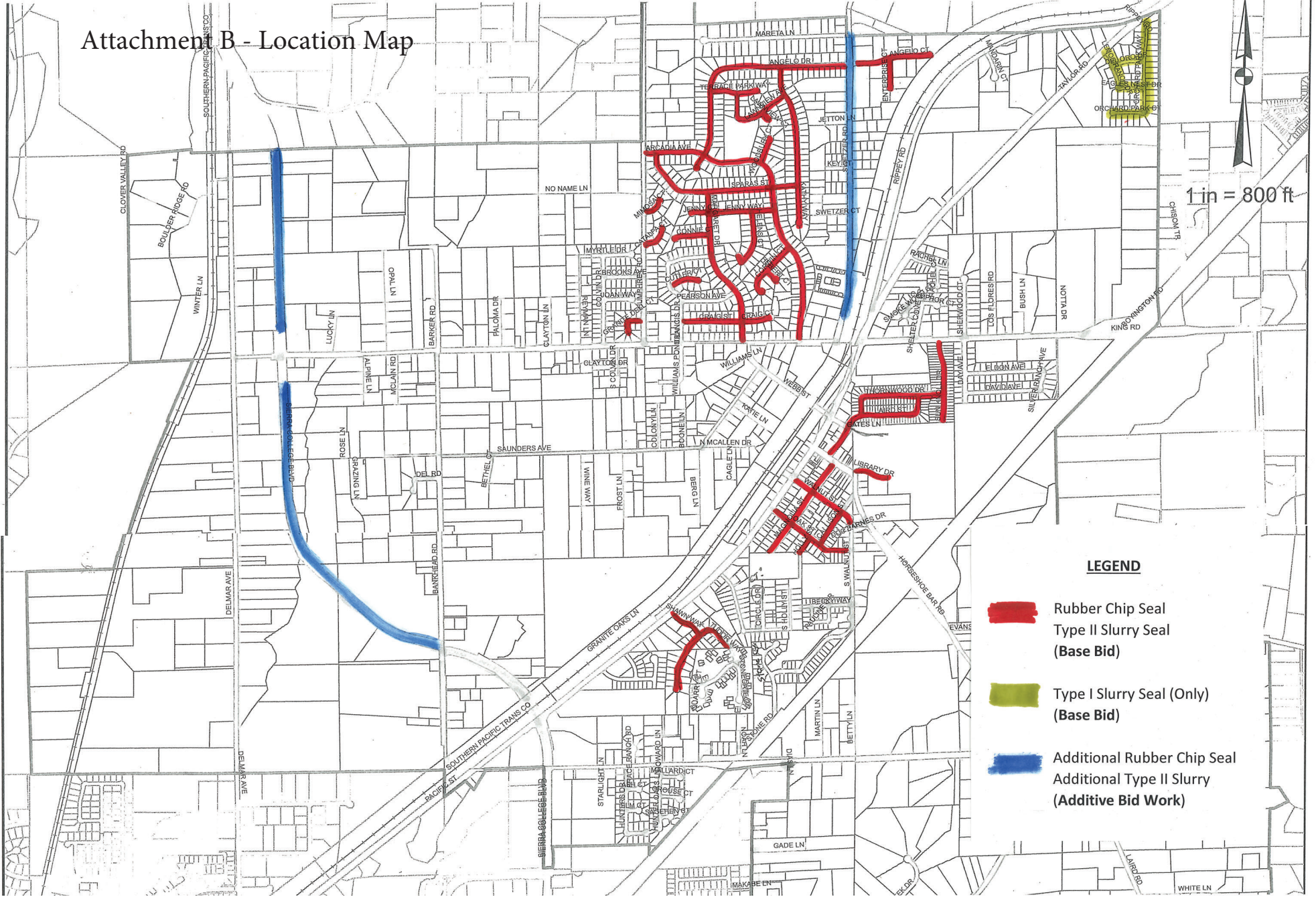
ABSTAINED:

Mayor

ATTEST:

Deputy Town Clerk

Attachment B - Location Map



LEGEND

- Rubber Chip Seal
Type II Slurry Seal
(Base Bid)
- Type I Slurry Seal (Only)
(Base Bid)
- Additional Rubber Chip Seal
Additional Type II Slurry Seal
(Additive Bid Work)

2023 Rubber Cape Seal Project
Street Summary - Quantity Tabulation

Type I Slurry Seal

BASE BID WORK								
No.	Street Name	From	To	Length	Width	Bulb	(SF)	(SY)
1	Del Oro Dr	Lemos Ranch Rd	Orchard Park Wy	380	36		13,680	1,520
2	Eagles Nest Dr	Lemos Ranch Rd	Orchard Park Wy	310	28	2,700	11,380	1,264
3	Lemos Ranch Rd	Taylor Rd	Eagles Nest Dr	500	36		18,000	2,000
4	Orchard Park Ct	Orchard Park Wy	End	340	28	7,200	16,720	1,858
5	Orchard Park Wy	Orchard Park Ct	End	1,120	28	4,500	35,860	3,984

Total Estimated Area (SY): 10,626

Say : 11,000

Rubber Chip Seal

Type II Slurry Seal

BASE BID WORK								
No.	Street Name	From	To	Length	Width	Bulb	(SF)	(SY)
1	Angelo Court	Swetzer Road	End	951	40	4,500	42,540	4,727
2	Angelo Drive	End	Swetzer Road	2,935	32	4,500	98,420	10,936
3	Arcadia Avenue	Humphrey Road	King Road	3,921	40		156,840	17,427
4	Callison Street	Oak Street	Walnut Street	458	24		10,992	1,221
5	Catalpa Ct	Humphrey Road	End	265	30	4,500	12,450	1,383
6	Connie Court	Margaret Dr	End	371	30	4,500	15,630	1,737
7	Corwin Ct	Arcadia Avenue	End	660	32	4,500	25,620	2,847
8	Craig Court	Margaret Drive	End	293	34	4,500	14,462	1,607
9	Craig Street	Francis Drive	Margaret Drive	741	34		25,194	2,799
10	Cutler Court	Francis Drive	End	331	30	4,500	14,430	1,603
11	Enterprise Ct	Angelo Court	End	312	40	4,500	16,980	1,887
12	Granite Dell Ct	Humphrey Road	End	260	28	7,200	14,480	1,609
13	Hebert Ct	Corwin Ct	End	75	32	4,500	6,900	767
14	Helens Ct	Jenny Way	End	650	28	9,000	27,200	3,022
15	Holly Street	Oak Street	End	184	24		4,416	491
16	Jenny Court	End	Margaret Drive	185	32	4,500	10,420	1,158
17	Jenny Way	Margaret Drive	Arcadia Avenue	810	30		24,300	2,700
18	Kathy Way	Angelo Court	End	2,010	32	4,500	68,820	7,647
19	Larid Street	Horseshoe Bar	Webb St	442	24		10,608	1,179
20	Larid Street	Webb St	Thornwood Dr	1,135	34	2,700	41,290	4,588
21	Lawnview Ave	Terrace Parkway	Kathy Way	985	32	2,700	34,220	3,802
22	Lawnview Ct	Lawnview Ave	End	0	0	4,500	4,500	500
23	Library Drive	Horseshoe Bar	End	460	40		18,400	2,044
24	Magnolia Street	Horseshoe Bar	End	1,311	32		41,952	4,661
25	Margaret Dr	Spartas Street	King Road	2,020	40		80,800	8,978
26	Mimosa Ct	Humphrey Road	End	220	28	4,500	10,660	1,184
27	Oak Street	Taylor Rd	S. Walnut St	1,064	25		26,600	2,956
28	Shawn Way	Taylor Rd	Tudor Way	437	32		13,984	1,554
29	Spartas St	Arcadia Avenue	Kathy Way	2,027	32		64,864	7,207
30	Sun Knoll Dr	King Road	End	912	32		29,184	3,243
31	Terrace Parkway	Angelo Court	End	500	32	4,500	20,500	2,278
32	Thornwood Dr	Sun Knoll Dr	Laird St	1,186	29	2,700	37,094	4,122
33	Tudor Way	5735 Tudor	South End	1,260	28	7,200	42,480	4,720
34	Walnut Street	Taylor Rd	Doc Barnes Dr	950	28		26,600	2,956
35	Woodbury Ct	Arcadia Avenue	End	250	32	4,500	12,500	1,389
36	Curb Returns at Various Intersections (200 SF Each).			Total Locations:		90	18,000	2,000

Total Estimated Area (SY): 124,929

Say : 125,000

Rubber Chip Seal

Type II Slurry Seal

ADDITIVE BID WORK								
No.	Street Name	From	To	Length	Width	Bulb	(SF)	(SY)
a.	Sierra College Blvd	400' N. of King	N. Town Limits	2,230	40		89,200	9,911
b.	Sierra College Blvd	400' S. of King	Bankhead Road	4,330	40		173,200	19,244
c.	Swetzer Rd	150' N. of King	N. Town Limits	3,800	40		152,000	16,889