



Staff Report

June 14, 2022

TO: Honorable Mayor and Members of the Town Council
FROM: Merrill Buck, Town Engineer
DATE: May 27, 2022
RE: Appropriate \$120,000 to the Laird Road Chip Seal Project and Authorize the Town Manager to Approve Expenditures

Recommendation

Staff recommends that the Town Council adopt a resolution appropriating \$120,000 to the Laird Road Chip Seal Project, not to exceed total construction budget of \$220,000, and authorizing the Town Manager to approve construction expenditures and approve an Amendment to the Cooperative Work Agreement with the County of Placer.

Background and Discussion

In September 2021, the Town Council authorized a cooperative work agreement with the County of Placer in the amount of \$100,000 to complete a rubberized chip seal on Laird Road from Wishing Well Way to Brace Road and on Horseshoe Bar Road from the Town limits to Laird Road. These street segments were identified as a high-priority for resurfacing given their pavement condition, and were included in the Town's SB 1 Road Maintenance and Rehabilitation project listing.

As background, a chip seal is a surface treatment that is placed, by applying oil to the road followed by a sprinkling of gravel known as chips. The gravel stick to the oil, dries, and then the loose material is swept up. The gravel creates a substantial vehicle wear course but it's prone to raveling over time. It also leaves a fairly rough surface texture that is not always acceptable in urban areas.

A slurry seal, is a surface treatment that is placed as a sand and oil mixture. It's poured out the back of a specialized truck into a hopper and then squeegeed onto the road. It doesn't have the thickness that a chip seal has, but its advantage is that it leaves a smooth surface. A microsurface treatment is a type of slurry seal that adds concrete to the mix and uses a larger sand particle. This has the advantage of being able to go down thicker.

Combining a chip seal and a slurry seal is known as a cape seal. The two treatments compliment each other and you get the best of both worlds. The slurry seal locks in the gravel from the chip seal to prevent raveling. This adds to the roads longevity, and is better cosmetically, given the smoother top surface.

It was too late in the season at the time the rubber chip seal was scheduled to specify a cape seal. Slurry seals require warm temperatures to cure, as the water in the mix needs to evaporate. So, the thought was to place the rubber chip seal and then wait until this year to place a slurry seal under a separate contract. The rubber chip seal was delayed, however, until just recently, and so with it being the start of the paving season, the slurry seal can also be applied.

Rather than bidding the slurry seal as a separate project, administered by the Town, the contractor performing the work for the County can complete the work under the same contract. This has the advantage of getting the slurry seal placed sooner, reducing the amount of raveling that could occur, while also reducing the amount of staff time that would be needed to administer a separate contract.

The slurry seal being recommended for placement on Laird Road is a microsurfacing treatment. This is due to the fact that the conventional chip seal placed a year ago on Laird Road from Wishing Well Way to the County Limits is already starting to show some signs of raveling, and the microsurfacing, being thicker, will better bridge over the road surface. The contractor also indicated that there isn't a big cost difference between a slurry seal and a microsurface right now due to the way the oil crisis has influenced what grade of oil is being produced at the refinery.

The limits of what is proposed for microsurfacing includes both the rubber chip seal work that was just recently completed, along with the adjacent chip seal work that was completed in June 2021, as shown in the attached location exhibit (Attachment B). If approved, the microsurfacing work to cover these chip seals will be completed on June 16th and 17th.

CEQA Requirements

Road resurfacing is Categorically Exempt from the provisions of CEQA as a Class I exemption, Section 15301(c) (Maintenance of Existing Facilities).

Financial and/or Policy Implications

The cost for the microsurfacing is \$82,000. There was also a cost to have the County paint Laird Road following the rubber chip seal, estimated at \$5,000. The County doesn't do thermoplastic paint in-house, which is what the Town would like to place after the microsurfacing, due to its durability and longevity, so staff reached out to Sierra Traffic Markings, the contractor the did the striping on Boyington Road and the downtown Taylor/Walnut intersection modifications and received a quote for this work in the amount of \$33,000. To cover all these costs, an additional appropriation of \$120,000 is recommended, as an increase to the project budget.

Sufficient funding for the recommended improvements is available and will be paid from Transportation Funds identified in the Public Works Budget.

Attachments

- A. Resolution
- B. Location Exhibit

TOWN OF LOOMIS

RESOLUTION 22 - _____

**A RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF LOOMIS
APPROPRIATING \$120,000 TO THE LAIRD ROAD CHIP SEAL PROJECT AND
AUTHORIZING THE TOWN MANAGER TO APPROVE CONSTRUCTION EXPENDITURES AND
APPROVE AN AMENDMENT TO THE COOPERATIVE WORK AGREEMENT
WITH THE COUNTY OF PLACER**

WHEREAS, the Town Council authorized the Town Manager to enter into a Cooperative Work Agreement with the County of Placer in September 2021 for the purpose of placing a rubberized chip seal on Laird Road; and

WHEREAS, staff has recommended that a microsurfacing treatment be placed on top of the rubberized chip seal on Laird Road and the adjacent conventional chip seal placed on Laird Road in June 2021; and

WHEREAS, an additional project appropriation of \$120,000 is needed to fund the additional work, bringing the total construction budget plus contingencies to \$220,000; and

WHEREAS, Laird Road is one of the high priority road segments identified by the Town for resurfacing under SB 1 Road Maintenance and Rehabilitation Account funding, and as such, the Town wishes to complete the additional work; and

WHEREAS, sufficient funding is available from Transportation Funds identified in the Public Works Department budget for the requested appropriation.

NOW, THEREFORE, BE IT RESOLVED that the Town Council of the Town of Loomis hereby appropriates \$120,000 from Transportation Funds identified in the Public Works Department budget; and

BE IT FURTHER RESOLVED that the Town Manager is hereby authorized to approve construction expenditures for a total construction budget of \$220,000 and approve an amendment to the Cooperative Work Agreement with the County of Placer.

PASSED AND ADOPTED this 14th day of June 2022 by the following vote:

AYES:

NOES:

ABSENT:

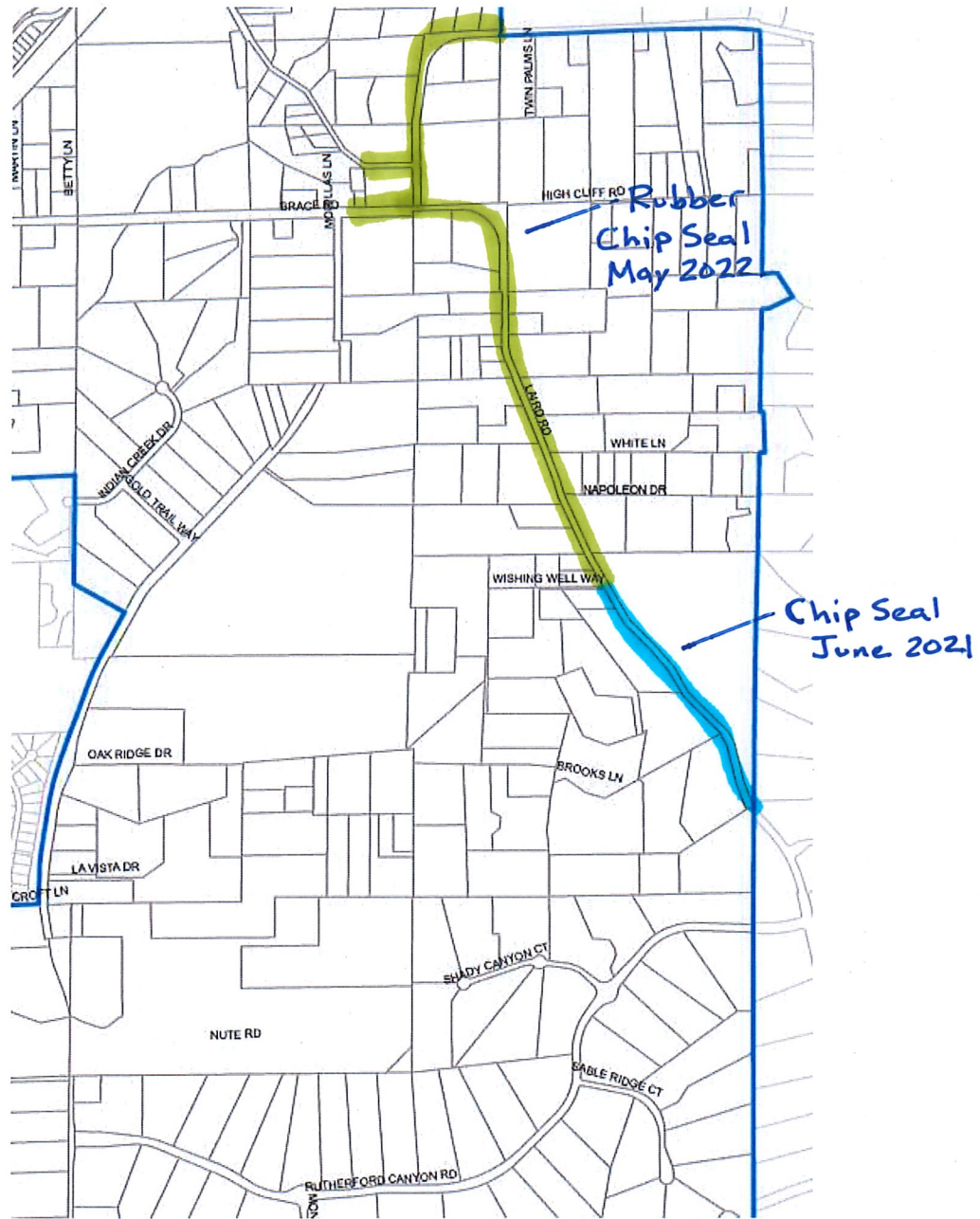
ABSTAINED:

Mayor

ATTEST:

Deputy Town Clerk

Location Exhibit



Microsurfacing over Chip Seal