



AGENDA REPORT

City Council Meeting

TODAY'S DATE: 5/7/2024

MEETING DATE: 5/15/2024

TO: MAYOR AND CITY COUNCIL

FROM: Holly Ellis, Construction Manager

SUBJECT: Authorization to bid: 2024 Pilot Chip Seal Project

DESCRIPTION/BACKGROUND:

In 2020, the City engaged an independent specialist, Infrastructure Management Services (IMS) to produce a Pavement Condition Assessment for all streets in Sandpoint. This assessment utilized a van equipped with laser sensors to collect data every 100 feet, objectively measuring pavement cracking, texture, rutting, roughness, cross fall, crown, grade, and radius of curvature across all streets. The findings help inform the City where, when, and how to invest in pavement maintenance.

The 2020 Pavement Condition Assessment does not include Chip Seal as an option for pavement surface treatment. Chip Seal is a common and cost-effective method to extend the pavement life of a roadway. The 2024 Pilot Chip Seal Project seeks to explore the use of Chip Seal as a surface treatment and consider including it as an alternative surface treatment in future pavement condition assessments. The City engaged JUB Engineers to develop performance measures/best practices for Chip Sealing. This effort includes gathering insights from neighboring communities and highway districts, preparing technical specifications for the bid package, and providing construction quality assurance training to City Staff during construction.

This pilot project is located on Schweitzer Cutoff Road between the roundabout at N Boyer Ave and N Boyer Road. The Chip Seal process includes applying a thin layer of asphalt emulsion to the existing pavement surface, followed by the placement of 3/8-inch aggregate chips or "rock" on top. These chips are then compacted, creating a durable and skid-resistant surface. A fog seal will be applied 3-14 days later. Fog seal is a thin layer of asphalt emulsion sprayed over the chip seal surface that helps seal the surface, fill small voids and cracks, and provides additional protection against water infiltration and oxidation.

The project will be bid in accordance with Idaho Code 67-2805(1) and City Procurement Policy. If awarded, the project will be completed by early August of 2024. The City will notify adjacent residents upon approval of the Contractor's schedule and prior to commencement of the project. Local access to private properties will be maintained at all times.

STAFF RECOMMENDATION:

Staff recommends City Council consider approving the 2024 Pilot Chip Seal Project scope of work and authorize staff to finalize the construction documents and advertise the project for bids; award of construction contract would return to City Council in June.

ACTION:

WILL THERE BE ANY FINANCIAL IMPACT? HAS THIS ITEM BEEN BUDGETED?

ATTACHMENTS:

Proposed Resolution

Project Map - 2024 Pilot Chip Seal Project

Preliminary Specifications (draft) –2024 Pilot Chip Seal Project