



TOWN OF JACKSON TOWN COUNCIL AGENDA DOCUMENTATION

PREPARATION DATE: June 13, 2018
MEETING DATE: June 18, 2017

SUBMITTING DEPARTMENT: Public Works
ACTING DEPARTMENT DIRECTOR: Johnny Ziem
PRESENTER: Brian Lenz, Town Engineer

SUBJECT: Request Council authorization to complete the 2018 Chip Seal Improvement Project.

STATEMENT/PURPOSE

The purpose of this item is to obtain Council Consent to complete the 2018 Chip Seal Improvement Project.

BACKGROUND/ALTERNATIVES

In an effort to reduce future street maintenance budget and reduce potholes, the Public Works department began a chip seal program in 2013.

To extend the life of a roadway and reduce the amount of patching required, chip sealing is typically used on roadways that have been in place for approximately 5 to 7 years. The top coating of the roadway surface significantly reduces the degradation of the roadway surface and provides a sealing element that restricts water infiltration into the road's base course which reduces the formation of potholes.

Studies have proven that the implementation of a chip seal program can extend the service life of a roadway up to and possibly exceeding a 40-year lifespan as compared to a standard 20-year lifespan of a non-treated roadway. Chip sealing costs approximately \$0.46/SF, whereas patching of a roadway costs nearly \$6.00/SF. Over time, it is the Engineering Department's goal to complete sealing of all Town streets once every seven years. The long-term cost savings should be significant for the Town should this program continue.

The chip seal project shall be completed with the application of 3/8" chips on tack coated roadway surface, and two layers of 3/8" chips on alley ways. Once the chips are applied they will be compacted with a heavy wheel roller. Once the chips have been applied and rolled, they will remain in place on the roadway to be further compacted by normal traffic for several days. Town crews will use street sweepers to clean loose chips from the surface of the roadway.

The roadways and alley ways to be complete this year are shown below:

- Flat Creek Drive north of West Kelly Avenue to concrete roadway near West Broadway Avenue
- Meadowlark Lane
- Powderhorn Lane south of Meadowlark Lane
- Crabtree Lane
- Alley south of East Broadway Avenue and east of South Willow Street
- Alley south of East Broadway Avenue and east of South Jean Street
- Alley south of East Pearl Avenue and east of South Willow Street
- Alley south of East Pearl Avenue and east of South Jean Street
- Alley north of Cache Creek Drive and west of Redmond Street
- Alley north of Cache Creek Drive and east of Redmond Street
- Alley north of East Kelly Avenue and east of Redmond Street
- Alley on the west side of May Park from E Hansen to Cache Creek Drive
- Alley on the south side of May Park along the gravel portion of East Kelly Avenue to Rancher Street

The project should take approximately five days to place the chips, five days to allow vehicle traffic to further compact the chips before the Town crews use sweepers to clean up the loose chips.

The five day project is scheduled to be completed between July 9th and August 17th, 2018.

The project was advertised in the JH News & Guide Weekly for two weeks beginning May 9th, 2018.

On May 24th the Town received the following bids for the project:

Evans Construction Company = \$ 142,740.00

The Jackson Town Council has several options to consider and proceed with:

- Approve the construction contract of the 2018 Chip Seal Improvement Project, and continue the current Chip Seal Maintenance schedules
- Place the Chip Seal Maintenance Program on hold by denying the contract
- Deny the Chip Seal contract proposed and consider putting the funds into other Street Maintenance Projects such as accelerate patching or overlays

[ALIGNMENT WITH COUNCIL'S STRATEGIC INTENT](#)

Economic Stability: strategy - Create an inviting downtown environment and improve walkability, also effectively manage the Town's on street and off street parking inventory.

The current Chip Seal Program was designed and will provide the most cost effective roadway maintenance program with limited impacts to road closures during construction. As this program continues Public Works is expecting that all of the town roadways will have better quality while reducing long term maintenance and costly reconstruction processes.

[ATTACHMENTS](#)

None

FISCAL IMPACT

The project shall be completed with FY 2019 Street Maintenance funding budget.

STAFF IMPACT

During this project the majority of the PW staff shall be involved with communicating traffic impacts and advising drivers of the best way to navigate through Town to their destination, performing grading preparation work on alley ways, and sweeping excess chips from roadways. It is estimated that a minimum of 120 hours of PW staff time shall be required.

LEGAL REVIEW

No legal review is proposed as we are utilizing a previously reviewed contract.

RECOMMENDATION

That the Town Council approves of the construction contract for 2018 Chip Seal Improvement Project as presented.

SUGGESTED MOTION

I move that the Town Council approve of the construction contract for the 2018 Chip Seal Improvement Project with Evans Construction Company of Jackson, WY in the amount of \$142,740.00 and upon legal approval authorize the mayor to execute all necessary contract Agreements.