

# 2020 INFRASTRUCTURE PROJECTS

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## PREPARED BY: CITY OF ABERDEEN, SD ENGINEERING DEPARTMENT February, 2020

NOTE: THE NUMBERS ON THE PROJECTS LISTED BELOW CORRESPOND TO THE NUMBERS SHOWN ON THE CITY MAP ATTACHED TO THIS SHEET.

1. **15<sup>th</sup> AVE SE STORM SEWER AND RECONSTRUCTION:** The project will be on 15<sup>th</sup> Ave SE from State St. to Dakota St. The project will include: Reconstruction of the 90" Storm Sewer as well as new Sanitary Sewer, Water main and pavement reconstruction. The Project will be scheduled around the School Year schedule to help minimize impacts.
  - a. Budgeted Project Cost: \$ 1.2 million
  - b. Funding Sources: Special Sales Tax, Utility Revenue
  - c. Anticipated Start Date: May 2020
  - d. Anticipated Completion Date: August 2020
  - e. Public Impacts: Local Impacts will be felt by area residents, as front yard access will be limited. Traveling Impacts may be felt by people attending events in these areas during the summer. Detours can be expected around the project areas.
  
2. **DAKOTA STREET PAVEMENT RECONSTRUCTION:**
  - a. Budgeted Project Cost: \$1.5 million
  - b. Funding Sources: Federal/State Funding, Special Sales Tax
  - c. Anticipated Start Date: Spring 2020
  - d. Anticipated Completion Date: Fall 2020
  - e. Public Impacts: Traffic will be re-routed/detoured for the full duration of the project. Local impacts will be felt by area residents, as front yard access will be limited. Traveling impacts will be felt by those that normally use Dakota Street.
  
3. **MILL AND OVERLAY PROJECT:** The Mill and Overlay project consists of milling the top 2-3 inches of surfacing off of a street and replacing it with a new layer of asphalt driving surface. This will be the 9<sup>th</sup> year for this project. The process provides additional life to the street surface and improves the ride of the renovated street. Potential streets to be repaired this year will be First Ave SE from Lincoln St to Kline St, 4<sup>th</sup> Ave South from Second St to Washington St, and S Lawson St from 12<sup>th</sup> Ave SE to Melgaard Rd. Typically, 10 to 12 blocks can be completed, depending on width and other conditions. Decisions on location are dependent upon many factors including traffic volume and condition.

- a. Budgeted Project Cost: \$1,000,000
- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: July 2020
- d. Anticipated Completion Date: September 2020
- e. Public Impacts: The duration of construction for these projects is very short – probably less than a week for each phase. Therefore, no special detours will be provided. Motorists will have to find an alternate route while construction is proceeding, but each phase will be open very quickly after construction is completed. Minimal impact to the traveling public. Adjacent property owners will see a disruption of approximately 1 to 1 1/2 weeks.

4. **8TH AVENUE NORTH STREET SURFACE REPAIRS:** The anticipated work will be related to repairing shifted and broken concrete pavement. The repairs will be made along with retrofitting dowel bars to prevent the slabs from shifting again. The surface will be have diamond grinding performed to improve the overall ride of the roadway.

- a. Budgeted Project Cost: \$800,000
- b. Funding Source: Special Sales Tax – Street
- c. Anticipated Start Date: June 2020
- d. Completion Date: September 2020
- e. Public Impacts: Traffic disruption will be primarily congestion, while navigating through the work zone. Motorists should expect traffic to be impeded occasionally during construction, but no total road closures are expected. Work is anticipated to last 1 to 2 months.

5. **RAILROAD CROSSING IMPROVEMENTS:** The Railroad crossings at Dakota Street and State Street will include crossings, medians and transition pavements. The improvements will meet new standards of safety. Additional work to be completed for railroads will be the addition of silent crossings at North Roosevelt St and 8<sup>th</sup> Ave NE and Advanced Notice Signage indicating the presence of a train at these crossings.

- a. Budgeted Project Cost: \$250,000
- b. Funding Source: Special Sales Tax – Federal Safety Funds, Special Sales Tax-Street
- c. Anticipated Start Date: June 2020
- d. Completion Date: August 2020
- e. Public Impacts: Full Road Closure will be necessary to complete these projects. Motorists can expect to be detoured from these crossings for an extended period of time.

6. **ACCESSIBLE QUADRANT REPLACEMENT PROGRAM:** This is another annual project to bring sidewalk quadrants into compliance with ADA regulations regarding handicapped access. This year's focus is primarily south of Highway 12 in the area between S State St and S Penn St.

- a. Budgeted Project Cost: \$200,000

- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: May, 2020
- d. Completion Date: July, 2020
- e. Public Impacts: Because most of the work occurs on the side of the street, little disturbance to motorists will be noted. Foot traffic in these areas will be diverted to sidewalks that will bypass the construction work.

**7. TRENCHLESS SANITARY SEWER REHABILITATION:** Sanitary Sewers are being lined to reduce the negative effects of infiltration into the pipes and reduce the potential collapse of older pipes in the community. Sanitary sewers **Citywide** are being evaluated, and will be prioritized based on pipe sizes, potential cross connections, and type of pipe.

- a. Budgeted Project Cost: \$250,000
- b. Funding Source: Utility Sanitary Fund
- c. Anticipated Start Date: September 2020
- d. Completion Date: November 2020
- e. Public Impacts: Very little disturbance to the travelling public is expected, since the installation takes place underground. There will be equipment at the beginning and end of each run that traffic can be routed around.

**8. PUBLIC WORKS ASPHALT PATCHING AND CHIP-SEALING PROJECT:** As part of the City's on-going street maintenance program, streets located from 2nd St to State St on the South Side of town, will be targeted. Approximately 240 blocks of asphalt streets will be patched and sealed this summer.

- a. Budgeted Project Cost: \$1.0 M
- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: May 2020
- d. Completion Date: September 2020
- e. Public Impacts: During the time a particular street is being sealed, parking on that street will not be allowed. Property owner's access may be restricted for short times while the sealing operation is taking place.

**9. WATERMAIN REPLACEMENT PROGRAM:** This project is being done **Citywide** in order to reduce main breaks and rusty water complaints. The City notifies the directly affected property owners by letter. Those directly affected will have temporary water service provided by above ground piping. The work will be performed by Public Works forces, when time allows and will be done in areas of concern.

- a. Anticipated Project Cost: \$ 100,000
- b. Funding Sources: Utility Water Enterprise Fund
- c. Anticipated Start Date: May, 2020
- d. Completion Date: November, 2020

- e. **Public Impact:** Typically the areas are 1 to 2 blocks in length and there will be approximately a month of disruption during the varying phases of this process through re-paving. During the daytime, traffic is blocked from moving through the work zone. Normally the work zone area will be re-opened for access for evening and nighttime hours.