

2017 INFRASTRUCTURE PROJECTS

PREPARED BY: CITY OF ABERDEEN, SD ENGINEERING DEPARTMENT February, 2017

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

- 1. KLINE STREET SOUTH RECONSTRUCTION:** The Kline Street South project will be almost exclusively on Northern State University's Campus, with the exception of Tie-ins on 15th Ave SE. The project will include: Reconstruction of the 90" Storm Sewer as well as new Sanitary Sewer and Water main. The Project will be scheduled around NSU's normal School Year schedule.

 - a. Budgeted Project Cost: \$ 1.05 million
 - b. Funding Sources: Special Sales Tax, Utility Revenue
 - c. Anticipated Start Date: May 2017
 - d. Anticipated Completion Date: August 2017
 - e. Public Impacts: Impacts will be felt by people attending events at the campus during the summer. 15th Ave will need to be fully closed, for a short duration in order to accomplish the construction.

- 2. BOYD STREET HOLDING POND:** To help improve a local neighborhood drainage problem, plans call for completion of the holding pond to store excess volumes of water. The system is intended on being a gravity fed and drained holding pond, so no mechanical failures can happen. The holding pond will handle storm runoff from the area south of 8th Ave between Dakota Street and Kettering Drive. The pond has been developed in order to buffer the adjacent neighborhood from the pond.

 - a. Budgeted Project Cost: \$0.15 million
 - b. Funding Sources: Special Sales Tax – Storm Sewer
 - c. Anticipated Start Date: November 2016
 - d. Anticipated Completion Date: May 2017
 - e. Public Impacts: Very few impacts should be noticed by the traveling public.

- 3. MOCCASIN CREEK RESTORATION PROJECT:** 1 mile of Moccasin Creek stream bed will be restored to go from the current state of a Cattail choked stream bed to an open narrower base flow stream bed and new vegetation plantings on the upper level portion designated for floodway flows. The project is designed to be self-cleaning so that sediment deposition will not recreate the current conditions. The project details will include re-defining the channel to allow for a two stage channel bottom. The lowest stage will allow for base flows to run through the community without being impeded by the current

sediment and cattail growth. The upper stage will be used for improving the aesthetics while providing for flood flow capabilities. Additional items that will be added to the project could include additional removal of sediment in the lower stage, additional plantings and educational items regarding the riverine eco-system.

- a. Budgeted Project Cost: \$0.6 million
 - b. Funding Sources: Special Sales Tax – Storm Sewer
 - c. Anticipated Start Date: Winter 2016
 - d. Anticipated Completion Date: Summer 2017
 - e. Public Impacts: Very few impacts should be noticed by the traveling public.

4. **3RD AVE. SE BRIDGE:** The Bridge located on 3rd Ave SE, just west of Wilson St. will be reconstructed in order to handle full traffic loads. Currently the bridge is posted for 5 tons per vehicle. The project is slated to be handled through the SDDOT bid process.
 - a. Budgeted Project Cost: \$1.2 million
 - b. Funding Sources: Federal/State Funding, Special Sales Tax
 - c. Anticipated Start Date: Fall 2017
 - d. Anticipated Completion Date: Spring 2018
 - e. Public Impacts: Traffic will be re-routed/detoured for the full duration of the project.

5. **MERTON STREET HOLDING POND:** A holding pond will be constructed to handle storm runoff from the area south of Wells Street and East of Lawson. The pond has been designed to include trees to buffer the adjacent property as well as drain tile in order to maintain a dry bottom.
 - a. Budgeted Project Cost: \$0.25 million
 - b. Funding Sources: Special Sales Tax – Storm Sewer
 - c. Anticipated Start Date: February 2017
 - d. Anticipated Completion Date: July 2017
 - e. Public Impacts: Very few impacts should be noticed by the traveling public.

6. **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 8th 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 on South Lawson St, from 12th Ave. down to Melgaard Road, 3rd Ave from Washington to Jay St, S Washington from 3rd to 4th Ave, North Main Street between the 8th Ave and 15th Ave, 15th Ave NE between Jay St and Dakota Street. 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: \$550,000
- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: July 2017
- d. Anticipated Completion Date: August 2017
- 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.

7. CONCRETE STREET REHABILITATION: This is an annual project for the City consisting of replacing damaged joints in concrete pavement. This year work will focus on Old Hwy 281 N, South Dakota St, Melgaard Rd and Milwaukee Ave.

- a. Budgeted Project Cost: \$150,000
- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: June 2017
- d. Completion Date: August 2017
- e. Public Impacts: The Contractor will close portions of lanes in one direction or another. Traffic will generally be able to pass thru the construction area, but will experienced reduced speeds through the project.

8. 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 in the North East part of town in conjunction with pedestrian traffic to local elementary schools.

- a. Budgeted Project Cost: \$200,000
- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: May, 2017
- d. Completion Date: July, 2017
- 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.

9. 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 throughout town 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: June 2017
- d. Completion Date: December 2017
- 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.

10. 2nd STREET SIGNAL UPGRADES: The traffic signals at the intersection of 2nd St and 3rd Ave S will be replaced due to age and condition. The new system will be able to sense current traffic conditions and change due to those conditions.

- a. Budgeted Project Cost: \$250,000
- b. Funding Source: Special Sales Tax – Traffic Control
- c. Anticipated Start Date: Fall 2017
- d. Completion Date: Winter 2017
- e. Public Impacts: Traffic disruption should be minimal because the majority of the work will be done off the driving surface. 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.

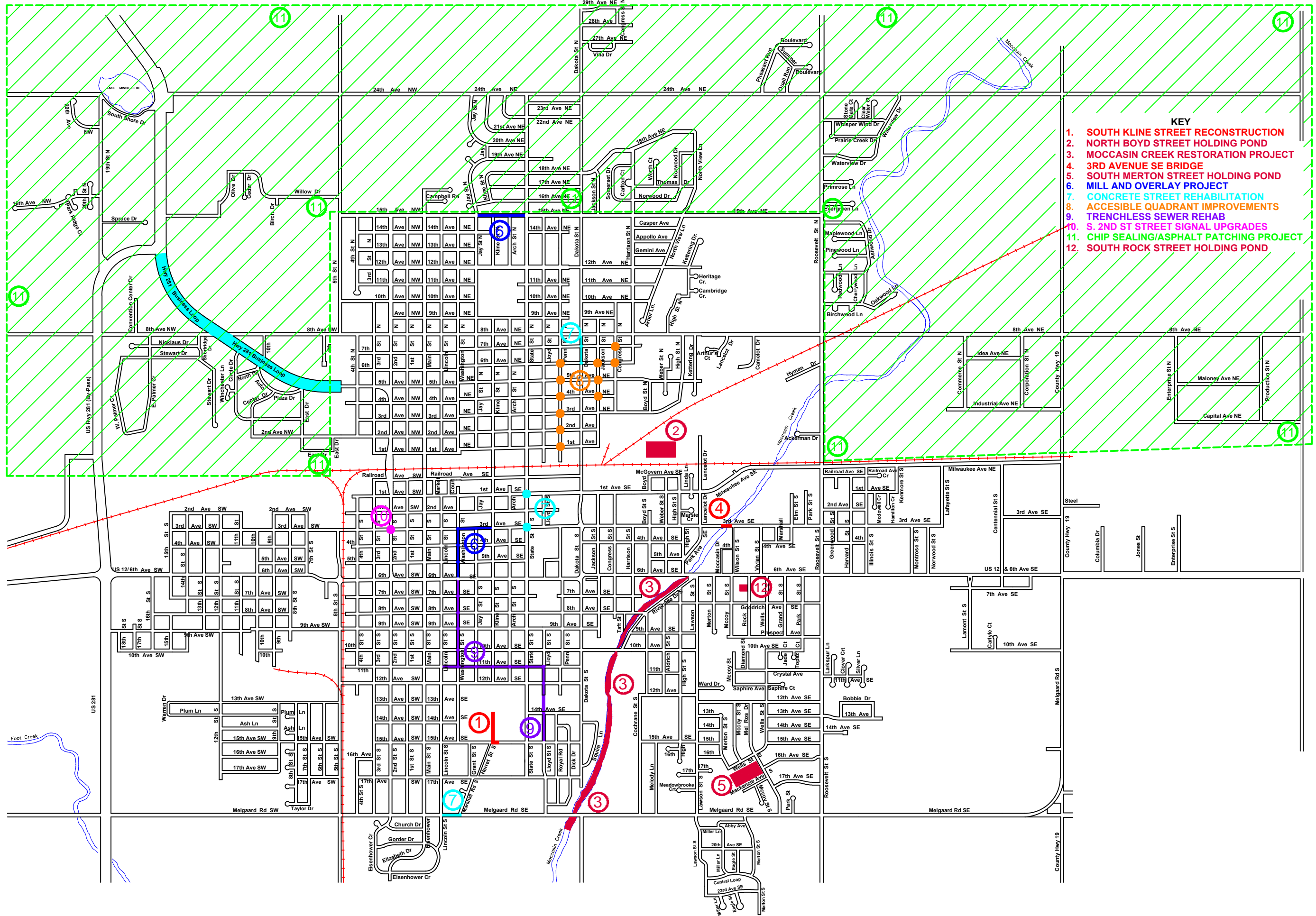
11. PUBLIC WORKS ASPHALT PATCHING AND CHIP-SEALING PROJECT: As part of the City's on-going street maintenance program, streets located on the perimeter of the North Side of town, will be targeted. Approximately 240 blocks of asphalt streets will be patched and sealed this summer.

- a. Budgeted Project Cost: \$1.0 M
- b. Funding Source: Special Sales Tax - Street
- c. Anticipated Start Date: May 2017
- d. Completion Date: August 2017
- 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.

12. SOUTH ROCK ST HOLDING POND: This project is being done to reduce neighborhood flooding due to under-sized storm sewer and/or lack of storm sewer. The work will be performed by Public Works forces, when time allows

- a. Anticipated Project Cost: \$ 5,000
- b. Funding Sources: Utility Storm Enterprise Fund
- c. Anticipated Start Date: May, 2017
- d. Completion Date: December, 2017
- e. Public Impact: The public should see very minimal disruption from this project. Most work will be performed off public Right of Way .

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KEY

1. SOUTH KLINE STREET RECONSTRUCTION
2. NORTH BOYD STREET HOLDING POND
3. MOCCASIN CREEK RESTORATION PROJECT
4. 3RD AVENUE SE BRIDGE
5. SOUTH MERTON STREET HOLDING POND
6. MILL AND OVERLAY PROJECT
7. CONCRETE STREET REHABILITATION
8. ACCESIBLE QUADRANT IMPROVEMENTS
9. TRENCHLESS SEWER REHAB
10. S. 2ND ST STREET SIGNAL UPGRADES
11. CHIP SEALING/ASPHALT PATCHING PROJECT
12. SOUTH ROCK STREET HOLDING POND