

2019 ARDSA ROAD AND DRAINAGE BOND PROJECT INFORMATION

- 1. 4th Ave Signals and Lighting Upgrades – C St to A St:** The project will replace and upgrade the signals, street lighting, and all related electrical components on the C Street to A Street segment of 4th Avenue. Previous bond funds have produced an inventory of the existing lighting/signals/electrical systems and their current condition for the entire downtown area. This effort has demonstrated that much of the infrastructure downtown has exceeded its life expectancy. Safety concerns are manifested in reduced lighting levels, poles that are beginning to lean, and wiring that is subject to shortage and other issues. Due to the very large scope and cost of the project, upgrade/replacement will be done in phases by priority. This project is the highest priority from that study effort. This bond includes approximately \$3,000,000 for 2019 construction. Funding for additional priorities is anticipated in future bond packages. The total project cost is estimated at \$80,000,000. Contact: Duane Maney at 343-8221. (CC: Downtown & AD: 1)
- 2. 15th Ave Surface Rehab – Minnesota Dr to Gambell St:** This project will resurface the minor arterial. In addition, all sidewalks will be updated to current ADA standards. The top layer of pavement has eroded leaving ruts that are potentially hazardous. The project is a high priority for Street Maintenance. This bond includes approximately \$500,000 for design. Total project cost for the road improvements is estimated at \$3,700,000. Contact: Gary Jones at 343-8446. (CC: Fairview, South Addition, AD 1)
- 3. East 68th Ave/Greenwood St Area Drainage Improvements:** The project scope is expected to include drainage enhancements with a combination of improvements to ditches and the piped storm drain system. The streets will be resurfaced with some overlay and some full depth paving. Many of these local roads scored the worst possible Condition F in the 2017 GASB survey. The deterioration of the road surface and proliferation of pot holes have negatively impacted area residents and businesses and increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$300,000 bond amount will provide for 2019/2020 construction. Total project cost is estimated at \$300,000. Contact: Paul VanLandingham at 343-8372. (CC: Taku/Campbell, AD 4)
- 4. 120th Ave Upgrade – Johns Rd to Old Seward Hwy:** This project will upgrade a collector route to current standards. Improvements are expected to include a new road base, storm drains with curb and gutter, street lighting, and pedestrian facilities. The project will address the potentially dangerous mix of vehicular and non-motorized traffic. The project is a high priority for area residents, the Old Seward/Oceanview community council, and the Municipality. This bond includes approximately \$1,000,000 for design. Total project cost for the road improvements is estimated at \$9,400,000. Contact: Duane Maney at 343-8221. (CC: Old Seward/Oceanview, AD 6)
- 5. Academy Dr/Vanguard Dr Area Traffic Circulation Improvements – Brayton Dr to Abbott Rd:** This project will construct a minor arterial. Improvements are expected to include a new road base, curb and gutter, street lights, sidewalks and/or paved trails, intersection signalization, and traffic calming. The Alaska DOT will be constructing an underpass under the Seward Highway at Academy Drive. The Muni project will provide a route for the increased traffic flow to connect to Abbott Road. The \$3,000,000 bond amount will be used to acquire right-of-way essential to the new connection. Total project cost is estimated at \$15,000,000. Contact: Duane Maney at 343-8221. (CC: Abbott Loop, AD 4)

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6. **ADA Improvements:** This project will construct miscellaneous ADA improvements that include installation of curb ramps. Many of Anchorage's sidewalks are not fully compliant with the Americans with Disabilities Act (ADA) guidelines for barrier-free access. This bond includes approximately \$500,000 for design and construction of many small projects throughout Anchorage. This is an annual program and a 2019 construction start is planned. Contact: Gary Jones at 343-8446. (CC & AD: ARDSA-wide)
7. **Anchorage Signal System, Signage, and Safety Improvements:** This program reconstructs and upgrades the Anchorage traffic system within the Anchorage Roads and Drainage Service Area. This project is part of an annual program to construct priority improvements that will improve safety and traffic flow as identified by the Traffic Department through its annual review of traffic and crash data. Improvements may include replacing and/or upgrading signals, turning lanes and lights, signs, site assessment devices, traffic detection loops, and any other equipment needed to upgrade the system. Design and construction funding is proposed annually through road bonds. Because of age, many traffic signal and sign facilities in Anchorage have deteriorated to the point that replacement is required to keep the system operating. Upgrades, primarily related to technological advancements, are available to improve system efficiency and reduce annual operation and maintenance costs. This bond contains \$250,000 for these upgrades. Contact: Stephanie Mormilo, 343-8070. (CC & AD: ARDSA-wide)
8. **Alaska Railroad Crossing Rehabs:** This funding will reimburse the Alaska Railroad (ARR) for road and track rehabilitation work at the 100th Avenue railroad crossing, which is a municipal route. Municipal road crossings at several ARR locations are deteriorating and the Municipality is obligated by permit to pay for road crossing upgrades. This bond includes approximately \$500,000 for design and construction of the crossing, which is expected to occur in 2019. This is an annual program. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
9. **ARDSA Alley Paving:** This project will pave alleys located throughout the Anchorage Roads and Drainage Service Area. This is an annual program that will fund the paving of 10-12 alleys per year. There are approximately 500 unpaved alleys remaining within ARDSA. This project is a priority for Street Maintenance. The \$300,000 bond amount will provide for 2019 construction. Contact: Paul VanLandingham at 343-8372.
10. **ARDSA Sound Barrier/Retaining Wall Replacement:** This project will replace sound barrier, retaining walls, and other types of fencing located throughout the Anchorage Roads and Drainage Service Area. This is an annual program. Some of the infrastructure along the edges of municipal rights-of-way is falling down or otherwise deteriorating to the point of becoming ineffective at best and a safety hazard at worst. This project is a priority for Street Maintenance. The \$250,000 bond amount will allow for 2019 construction. Contact: Paul VanLandingham at 343-8372. (CC: ARDSA wide, AD All)
11. **ARDSA Street Light Improvements:** This project will construct new and/or replace existing street lights within ARDSA. Specific locations will be identified by the Street Maintenance and Traffic Departments. The Municipality has been systematically replacing the old, expensive to maintain, style street lights with the more economical LED lights as part of this program. The street lights in many neighborhoods do not meet current safety guidelines and this expense is not covered in the street maintenance budget. This is an annual funding program. This bond includes approximately \$250,000 for installation and replacement. Contact: Alan Czajkowski, 343-8269. (CC & AD: ARDSA-wide)

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12. **Campbell Woods Subd Area Road and Drainage Improvements:** This project will reconstruct road and drainage improvements in this neighborhood. The first phase of this project is expected to include the replacement and upsizing of the current storm drain system and installing a subdrain system due to the high ground water in the area. Pavement and gutter will be replaced as needed. Ponding and glaciation are a constant battle for area residents. A history of frost heaving, deep cracks, and pot holes have been a constant challenge for Street Maintenance. Most of the neighborhood roads rated a Condition F on the 2017 GASB survey of street surface conditions in the Municipality. This project is a priority for the area residents and Street Maintenance. The \$4,000,000 bond amount will provide for the first phase of construction. Design and right-of-way acquisition were funded through prior year road bonds. Total project cost is estimated at \$18,000,000. Project construction will be phased with the first full phase planned for 2019. Contact: Todd Jacobson at 522-6776. (CC: Sand Lake, AD 3)
13. **Chester Creek Flooding (Culvert Acquisition):** This project will install a large culvert under Arctic Boulevard. Drainage analysis has shown that installing a culvert is the most economical way to alleviate the flooding concerns. In prior years flooding has occurred in the Chester Creek floodplain and negatively impacted adjacent properties. This project is a priority for the area residents and Street Maintenance. The \$200,000 bond amount will allow for the purchase of the culvert. Due to the long lead time for a culvert of this size and the narrow construction window as a result of concern for fish habitat and bird nesting, the culvert must be purchased a year before it will be installed. Total project cost is estimated at \$3,200,000. The project has been designed, which was funded with prior year bonds. Project construction is anticipated in 2020 if funding is available. Contact: Russ Oswald at 343-8196. (CC: North Star & South Addition, AD 1&3)
14. **Commercial Dr Surface Rehabilitation – 3rd Ave to Mountain View Dr:** This project will resurface this minor arterial and bring all pedestrian facilities into ADA compliance. Deep ruts have formed and need to be addressed soon or safety may be negatively impacted. This project is a priority Street Maintenance due to extensive maintenance attention. The \$500,000 bond amount will fund design. Construction is anticipated in 2020 if funding is available. Total project cost is estimated at \$3,500,000. Contact: Gary Jones at 343-8446. (CC: Mountain View, AD 1)
15. **Fairview Community Council Area Signage:** This project will install custom street sign “toppers” and civic hero panels, strengthening the “sense of place” amongst the Fairview Community. This project is a priority for the community council. The project was initiated by a state grant but additional funding is needed to build the desired improvements. The \$40,000 bond amount will provide for the project to be completed in 2019. Total project cost is estimated at \$140,000. Contact: Todd Jacobson at 522-6776. (CC: Fairview, AD 1)
16. **Flooding/Glaciation/Drainage Improvements:** This project will design and construct drainage projects throughout Anchorage. The goal is to improve safety and reduce operation and maintenance costs. Street Maintenance has identified many small drainage problems throughout the city. This funding would allow the Municipality to respond more quickly to the needs as they are identified. Some of the locations under consideration with this funding include but are not limited to: 2nd Ave/Nelchina St, 4th Ave/Reeve Blvd, 64th Ave/Meadow St, Barnam Subd Area, Crawford St, and Juneau St/Karluk St. Design and construction funding is proposed annually. This bond includes approximately \$1,400,000 for design and construction. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)

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17. **Four Seasons Mobile Home Park Area Drainage Improvements:** This project will slip line the storm drain pipe from Honeysuckle Avenue to Boniface Parkway by way of Newell Street repair some sections. The existing drainage system has deteriorated to the point that it may become nonfunctional in the near future. The project is a priority for Street Maintenance as this pipe carries a large portion of the drainage from northeast Anchorage. This bond includes approximately \$400,000 for design. Construction is anticipated in late 2020 or 2021, depending on the availability of funding. The total project cost is estimated to be \$2,000,000. Contact: Duane Maney, 343-8221. (CC: Northeast, AD: 5)
18. **Image Dr/Reflection Dr Area Road Reconstruction:** This project will replace the storm drain and reconstruct the local roads in this area. The storm drains in these roads were discovered to be at or near the point of failure. In addition, the creek running through the subdivision is higher than some of the storm drain system. The reverse flow is a threat to nearby properties. The 2017 GASB survey rated many of these road segments as Condition F. This bond includes approximately \$2,000,000 for the first phase of construction. The estimated total project cost is \$9.0 million. Design is underway having been funded with a combination of state grants and prior year bonds. A 2019 construction bid is anticipated to allow procurement of a storm drain lift station prior to beginning construction in 2020. Contact: Russ Oswald, 343-8196. (CC: University, AD 5)
19. **Intersection Resurfacing:** This project will resurface many intersections throughout ARDSA. Due to the starting/stopping friction from vehicles, the road surfaces around intersections get worn down more quickly than the road surfaces between intersections. Intersections that have required repeated maintenance service are targeted. Over 100 locations throughout ARDSA have been repaired in the last three years of this program. This project is a priority for Street Maintenance. The \$100,000 bond amount will allow for 2019 construction. The project is an annual program. Contact: Paul VanLandingham at 343-8372. (CC & AD: ARDSA-wide)
20. **Intersection Safety and Congestion:** This annual program will construct congestion-relieving connections and intersection safety improvements. Project priorities will be established by the Traffic Engineering Section and Project Management and Engineering, with input from elected officials and the public. Improvements are expected to focus on fully funding intersection improvements at selected intersections along major arterial corridors. Funding is also applied to projects where the scope includes creating a new connection that enhances traffic circulation. Funding may also be allocated to traffic and pedestrian safety projects on collector streets and in local neighborhoods. This bond includes approximately \$250,000 for design and construction. Contact: Stephanie Mormilo, 343-8070. (CC & AD: ARDSA-wide)
21. **Kwik Log Subdivision Area Surface Rehab:** The improvements are expected to include improving the ditches, replacing ineffective culverts, reshaping the roadway to reestablish drainage flow, and resurfacing the streets. The project is a priority for area residents and Street Maintenance. The \$150,000 bond amount will allow for 2019/2020. Total project cost is estimated at \$150,000. Contact: Paul VanLandingham at 343-8372. (CC: Taku/Campbell, AD 4)

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22. **Lois Dr Pathway – Benson Blvd to 32nd Ave:** This project will construct a non-motorized pathway along Lois Drive. There is a heavy volume of non-motorized traffic along Lois Drive. It connects a high density residential area with four schools and the commercial district between Northern Lights and Benson Boulevard. There are no current pedestrian facilities on most of this section of Lois Drive. This project is a priority for the surrounding residents and is the top priority for the Spenard Community Council. The \$500,000 bond amount will provide for a design study report. Total project cost will be determined during the design process. Contact: Gary Jones, 343-8446. (CC: Spenard, AD 3)
23. **Low Impact Development Annual Program:** This project will be used to build storm sewer disconnects and drainage infrastructure using low impact development methods from which we will create design guidance for the community. Low Impact Development is a program of the APDES permit requiring the Municipality to perform demonstration projects which reduce the peaks and timings of storm flows into water bodies through the storm sewer system. This bond includes approximately \$250,000 to identify and construct infrastructure in 2019 and 2020. This is an annual program. Contact: Kristi Bischofberger. (CC & AD: ARDSA-wide)
24. **Mesquite Cir and E 80th Ave Area Lighting Improvements:** This project will install LED street lights along East 80th Avenue, and Mesquite and Casey Circles. This project is a priority for the surrounding residents and Street Maintenance. The \$500,000 bond amount will provide for 2019 construction. Total project cost is estimated at \$500,000. Contact: Kathy Bourque Parker, 343-8242. (CC: Russian Jack, AD 5)
25. **Old Seward Hwy Surface Rehab – Tudor Rd to International Airport Rd:** This project will resurface this major arterial and bring all pedestrian facilities into ADA compliance. Deep ruts have formed and need to be addressed soon or safety may be negatively impacted. This project is a priority Street Maintenance due to extensive maintenance attention. The \$500,000 bond amount will fund design. Construction is anticipated in 2020 if funding is available. Total project cost is estimated at \$2,500,000. Contact: Gary Jones at 343-8446. (CC: Midtown, AD 4)
26. **Pedestrian Safety and Rehab Improvements:** This annual program funds pedestrian safety and rehab projects throughout Anchorage. Improvements include construction of "missing links" to the existing pedestrian facilities and rehabilitation of existing sidewalks and trails. This bond includes approximately \$1,000,000 for design and construction. This project ranked high primarily because of the deteriorating condition of pedestrian facilities and the need to provide non-motorized connections. Contact: Russ Oswald, 343-8196. (CC& AD: ARDSA-wide)
27. **Recycled Asphalt Pavement (RAP) and Sub-base Rehabilitation:** This program resurfaces ten to fifteen miles of streets annually with recycled asphalt pavement (RAP). Improvements also include grading, ditching, chip seal surfacing, and reclaiming. This is a continuing annual program. There are many roads in ARDSA that are in need of a surface treatment to preserve the underlying road base, and it is far more cost effective than full reconstruction. The benefits of this program include quick installation time and reduced maintenance costs. This bond includes approximately \$600,000 for construction. This project ranked high primarily because of the deteriorating condition of local road surfaces throughout ARDSA. Construction will continue in 2019. Contact: Paul VanLandingham, 343-8372. (CC& AD: ARDSA-wide)

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28. **Reka Dr Southside Separated Pedestrian Facility and Storm Drain Replacement – Bragaw St to Pine St:** This project will construct a separated pedestrian facility on the south side of Reka Drive. The project will also replace the existing storm drain. An emergency storm drain fix was done for a section of the pipe in 2016 at which time it was discovered the entire section of pipe from Bragaw to Pine needed to be replaced. This project is a priority for Street Maintenance. The \$5,200,000 bond amount will fund a 2019 construction bid. Due to long lead times for materials on this project, construction will likely begin in 2020. Design was funded with prior year bonds. Total project cost is estimated at \$5,500,000. Contact: Russ Oswald at 343-8196. (CC: Russian Jack, AD: 5)
29. **Road and Storm Drain Program:** This program funds road and drainage and replacement projects throughout the Anchorage Roads and Drainage Service Area (ARDSA). Project priorities are established in a collaborative process with Street Maintenance, Traffic, and Project Management & Engineering. Input from elected officials, community councils, and the public has and will continue to be pursued in selecting projects for funding through this program. The deterioration of pavement of local, collector, and arterial streets has outpaced funding for repair. The surface conditions are typically the result of an inadequate or failing drainage system. Therefore, road surface improvements usually require drainage improvements as well. The Municipality has substantially increased its funding commitment, but additional funding is needed. Funding will also be used on community and street maintenance priorities on both major and local roads. Some of the locations under consideration for this funding include but are not limited to: 36th Ave – Old Seward to Lake Otis, 32nd/33rd Aves – Arctic to Old Seward, 42nd Ave – Lake Otis to Florina, 88th Ave – Abbott to Lake Otis, Mountain View/Bragaw, and neighborhood streets Areawide as in the past. This bond includes approximately \$1,000,000 for design and construction. Construction is expected to occur in 2019/2020. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
30. **School Zone Safety:** This project will upgrade and/or modify school zone signage, signals, and markings to meet Federal, State and Local requirements. Projects may also include improvements to the School Walking Routes. This bond includes approximately \$500,000 for design and installation. This is an annual program expected to continue until all school facilities are brought into compliance with current regulations. Contact: Stephanie Mormilo, 343-8070. (CC & AD: Areawide)
31. **Storm Drain Condition Assessment and Rehabilitation Program:** This project will investigate/assess the condition of the Anchorage Roads and Drainage Service Area (ARDSA) storm drain systems and rehabilitate those system segments as the needs are identified and prioritized. There are approximately 2,213,000 linear feet of underground storm drain pipe in the Anchorage Road and Drainage Service Area. Metal pipe was primarily used prior to 1990. Much of the storm drain pipe that Anchorage has in the ground today is now deteriorated to the extent that in some instances it has completely vanished. Obviously these system failures impact the public in many ways. Primary impacts include health & safety consequences and property damage through flooding. This bond includes approximately \$1,000,000 for assessment and rehabilitation work to be performed in 2019 and 2020. This is an annual program. Contact: Duane Maney, 343-8221. (CC & AD: ARDSA-wide)

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32. **Tall Spruce/Whitehall/Crawford/Terry Resurfacing Surface Rehab:** The project will resurface these neighborhood streets. Some reshaping of the road base will occur in selected spots to reestablish drainage flows. The project is a priority for area residents and Street Maintenance. The \$300,000 bond amount will allow for 2019/2020. Total project cost is estimated at \$300,000. Contact: Paul VanLandingham at 343-8372. (CC: Taku/Campbell, AD 4)
33. **Traffic Calming and Safety Improvements:** This program evaluates the implementation of the traffic calming program and safety improvements throughout the Anchorage Roads and Drainage Service Area (ARDSA). Specific improvements will be identified and prioritized by the Traffic Department in conjunction with public involvement. Design and construction funding is proposed annually. On many neighborhood and collector roads, vehicles are driven above posted speeds which can create unsafe situations. Traffic calming measures are typically used to slow traffic. This bond includes approximately \$500,000 for project management, design, and construction of improvements. Contact: Stephanie Mormilo, 343-8070. (CC & AD: Areawide)
34. **Ticia Cir/Ashley Cir Area Drainage Improvements:** This funding will provide for a Design Study Report and partial design. The exact scope of improvements will be determined during the design phase. These roads have exceeded their life expectancy and are in need of reconstruction as evidenced by major frost heaving and cracks in the asphalt. \$500,000 will provide for a design start. Construction funding will be pursued in future years once a solution has been identified. Contact: Gary Jones at 343-8446. (CC: Sand Lake, AD 3)
35. **Tudor Centre Dr/Diplomacy Dr Area Resurfacing:** This project will replace existing storm drain and resurface the roads that serve the Alaska Native Medical Center and Southcentral Foundation. In addition, the project will bring all pedestrian facilities into ADA compliance. These streets have been plagued by potholes in recent years and the area has demanded an inordinate amount of attention by Street Maintenance. Therefore, this project is a priority for Street Maintenance, ANMC, and the Southcentral Foundation. The \$2,500,000 bond amount will fund construction, which is anticipated in 2019. Total project cost is estimated at \$3,500,000. Contact: Russ Oswald at 343-8196. (CC: University, AD 5)