



April 6, 2021 Ballot Proposition FACT SHEET

Proposition #5 Anchorage Roads & Drainage Service Area \$36,425,000

Projects

1. 15 th Ave Surface Rehab – Minnesota Dr to Gambell St	\$1,500,000	22. Lakehurst Dr Area Drainage Improvements Phase IV	\$200,000
2. 42 nd Ave Upgrade – Lake Otis Pkwy to Florina St	\$1,500,000	23. Low Impact Development Annual Program	\$250,000
3. 48 th Ave/Cordova St Reconstruction – Old Seward Hwy to International Airport Rd	\$750,000	24. M St Improvements – 4 th Ave to 5 th Ave	\$1,500,000
4. ADA Improvements	\$500,000	25. Mountain View Dr Surface Rehab – Taylor St to McCarrey St	\$1,300,000
5. Alaska Railroad Crossing Rehabilitation	\$500,000	26. Nathan Dr/74 th Ave Area Drainage and Resurfacing	\$350,000
6. AMATS: 4 th Ave Signals and Lighting – Cordova St to Ingra St	\$270,000	27. Pavement and Subbase Rehabilitation	\$1,000,000
7. AMATS: Dr. Martin Luther King Jr. Ave Extension	\$160,000	28. Pedestrian Safety and Rehab Improvements Annual Program	\$1,000,000
8. AMATS: Spenard Rd Rehabilitation – Benson Blvd to Minnesota Dr	\$160,000	29. Providence Dr/University Dr Surface Rehab – Lake Otis Pkwy to east end	\$250,000
9. Anchorage Signal System, Signage and Safety Improvements	\$500,000	30. Quinhagak St Upgrade – E Dowling Rd to Askeland Dr	\$500,000
10. ARDSA Alley Paving	\$300,000	31. Road and Storm Drain Improvements Annual Program	\$1,750,000
11. ARDSA Street Light Improvements	\$500,000	32. Sound Barrier/Retaining Wall Replacement	\$250,000
12. Boundary Ave Surface Rehab – Oklahoma St to Muldoon Rd	\$1,500,000	33. Storm Drain Condition Assessment and Rehabilitation Program	\$1,000,000
13. Campbell Woods Subd Area Road and Drainage Improvements	\$3,100,000	34. Ticia Cir/Ashley Cir Area Drainage Improvements	\$2,300,000
14. Downtown Lighting and Signals Upgrades	\$3,000,000	35. Traffic Calming and Safety Improvements	\$1,000,000
15. E 20 th Ave Pedestrian Improvements – Tikishla Park to Bragraw St	\$300,000	36. Valley St Improvements – 6 th Ave to 10 th Ave	\$300,000
16. Ellen Ave Improvements – Klatt Rd to 123 rd Ave	\$250,000	37. W 32 nd and E 33 rd Ave Upgrades – Spenard Rd to Old Seward Hwy	\$1,500,000
17. Flooding, Glaciation, and Drainage Annual Program	\$1,750,000	38. West Anchorage Snow Disposal Site	\$470,000
18. Four Seasons Mobile Home Park Area Storm Drain Improvements	\$250,000	39. Zodiac Manor Subd Area Surface Rehab Phase II	\$300,000
19. Hacienda Dr Drainage Improvements	\$150,000	40. Pine Street and Reka Drive Pullout Removal	\$160,000
20. Image Dr/Reflection Dr Area Road Reconstruction	\$3,000,000	41. Heavy Equipment Fleet Vehicles	\$955,000
21. Intersection Resurfacing	\$150,000		
		Total	\$36,425,000

Project Descriptions

See attached list.



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Costs Associated with Bond Approval

Bond Principal Amount	\$36,425,000
Estimated Annual Cost of Debt Service	\$2,680,215
Annual Increased Operations and Maintenance Costs	\$809,000

Estimated Annual Property Tax Increase for \$100,000 of Assessed Property Value:

To Retire Debt	\$9.92
Operations and Maintenance Costs	\$2.99

This bond will be voted on and if approved, will first impact property taxes of those that reside in the Anchorage Roads and Drainage Service Area. Property taxes for those that reside outside this Service Area should not be impacted.

For further information: Gary Jones, Capital Projects Coordinator, 343-8446

It is the expectation of the Municipality of Anchorage that the general obligation bonds proposed for April 6, 2021 will be used to make capital improvements to facilities in each service area noted. Information contained herein describes how MOA expects to use the bond proceeds. However, as project development progresses, changes in scope, project feasibility, phasing, timeline, or estimated costs may occur that result in acceleration, delay, or substitution of projects similar to those listed above.

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- 1. 15th Ave Surface Rehab – Minnesota Dr to Gambell St:** This project will resurface this minor arterial street. In addition, pedestrian facilities 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 \$1,500,000, which will fund construction anticipated to begin in 2021. Total project cost for the road improvements is estimated at \$2,000,000. Design was funded with prior year road bonds. Contact: Russ Oswald at 343-8196. (CC: Fairview, South Addition, AD 1)
- 2. 42nd Ave Upgrade – Lake Otis Pkwy to Florina St:** This project will upgrade 42nd Avenue to current standards. The scope is expected to include a new road base, curb and gutter, street lighting, pedestrian facilities, traffic calming, and landscaping. The road serves a mix of high density residential and commercial residents. The existing road surface is deteriorating with inadequate drainage and substandard street lighting. This project has been the top priority of the University Community Council for nearly two decades. The \$1,500,000 bond amount will provide funding for design. The Design Study Report was funded with prior year bonds and is nearly complete. Total project cost is estimated at \$15,000,000. Contact: Russ Oswald at 343-8196. (CC: University, AD 4)
- 3. 48th Ave/Cordova St Reconstruction – Old Seward Hwy to International Airport Rd:** This project will reconstruct some portions and upgrade others to current standards on these two collector streets. Improvements are expected to include a new road base, curb and gutter, required pedestrian facilities, street lighting, and landscaping. The existing road surface has deteriorated to the point safety may be impacted. Some sections of the road have never been built to standard. Upgrading these collector connections is a priority for the Municipality. This bond includes \$750,000 for continued design. The Design Study Report was previously funded and is underway. The total estimated project cost is \$10,500,000. Contact: Melinda Tsu at 343-811. (CC: Midtown, AD 4)
- 4. ADA Improvements:** This project will construct miscellaneous ADA improvements that include installation of curb ramps. Many of Anchorage's sidewalks and crosswalks are not fully compliant with the Americans with Disabilities Act (ADA) guidelines for barrier-free access. This bond includes \$500,000 for design and construction of many small projects throughout Anchorage. This is an annual program and a 2022 construction start is planned. Contact: Russ Oswald at 343-8196. (CC & AD: ARDSA-wide)
- 5. Alaska Railroad Crossing Rehabilitation:** This funding will reimburse the Alaska Railroad (ARR) for rehabilitation work on the two tracks at the Electron Drive crossing and for replacing the signal hut, the gates, masts, and mechanicals at the 36th Avenue crossing. The Municipality is obligated by permit to pay for road crossing upgrades where municipal streets cross ARR right of way. This bond includes \$500,000 for the upgrades at these two crossings, which is expected to occur in 2021/2022. This is an annual program. The Municipality of Anchorage and the Alaska Railroad work together to rehabilitate all the crossings in the Municipality on a rotating 30-year schedule to ensure the safety of the crossings for the traveling public. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
- 6. AMATS: 4th Ave Signals and Lighting Upgrades – Cordova St to Ingra St:** Federal AMATS (Anchorage Metropolitan Area Transportation Solutions) funding is supplying the money for this segment of the Downtown Lighting and Signals Upgrade project. Because federal funding is being used, the State of Alaska Department of Transportation & Public Facilities will manage the project with input from Project Management & Engineering representing the Municipality. The project will replace and upgrade the signals, street lighting, and all related

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electrical components on 4th Avenue between Cordova Street and Ingra Street. Federal funding requires a local match payment. This bond includes \$270,000 to provide the required local match for the project design. The total project cost is estimated in excess of \$7,000,000. Contact: Melinda Tsu at 343-8110. (CC: Downtown, Fairview & AD: 1)

7. **AMATS: Dr. Martin Luther King Jr. Avenue Extension:** Federal AMATS is funding this project. Because federal funding is being used, the State of Alaska Department of Transportation & Public Facilities will manage the project with input from Project Management & Engineering representing the Municipality. The project will extend Dr. Martin Luther King Jr. Avenue to the west and ultimately create a new collector connection to Tudor Road. Federal funding requires a local match payment. This bond includes \$160,000 to provide the required local match for the project design. The total project cost is estimated in excess of \$14,000,000. Contact: Melinda Tsu at 343-8110. (CC: Campbell Park & AD: 4)
8. **AMATS: Spenard Rd Rehabilitation – Benson Blvd to Minnesota Dr:** The project is being funded through federal AMATS monies. Because federal funding is being used, the State of Alaska Department of Transportation & Public Facilities will manage the project with input from Project Management & Engineering representing the Municipality. The project will rehabilitate Spenard Road from Benson Boulevard to Minnesota Drive. The road surface will be replaced, and ADA facilities and lighting will be brought to current standards. Federal funding requires a local match payment. This bond includes \$160,000 to provide the required local match for the project design. The total project cost is estimated in excess of \$44,000,000. Contact: Melinda Tsu at 343-8110. (CC: Spenard & AD: 3)
9. **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 Engineering 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 are 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 \$500,000 for these upgrades. Contact: John Crapps, 343-8425. (CC & AD: ARDSA-wide)
10. **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 480 unpaved alleys remaining within ARDSA. This project is a priority for Street Maintenance. The \$300,000 bond amount will allow for 2021 construction. Contact: Paul VanLandingham at 343-8372. (CC: ARDSA wide, AD All)
11. **ARDSA Street Light Improvements:** This project will construct new streetlights and replace existing streetlights 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, streetlights with the more economical LED lights as part of this program. The streetlights in many neighborhoods do not meet current safety guidelines and this expense is not covered in the street maintenance budget. This is an

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annual funding program. This bond includes \$500,000 for installation and replacement. Contact: Paul VanLandingham at 343-8372. (CC & AD: ARDSA-wide)

- 12. Boundary Ave Surface Rehab – Oklahoma St to Muldoon Rd:** This project will resurface this collector street. In addition, pedestrian facilities 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 \$1,500,000, which will fund a 2021 construction start. Total project cost for the road improvements is estimated at \$2,000,000. Contact: Russ Oswald at 343-8196. (CC: Northeast, AD 5)
- 13. Campbell Woods Subd Area Road and Drainage Improvements Phase III:** This project will reconstruct road and drainage improvements on Edinburgh Drive from Selkirk Drive to Strathmore Drive, including Lennox Drive and Selkirk Drive. The storm drain system will be replaced and a subdrain system installed due to the high ground water in the area. Pavement and gutter will be replaced as needed. Ponding, glaciation and wet crawl spaces are a constant battle for area residents. A history of frost heaving, deep cracks, and potholes have been a constant challenge for Street Maintenance. Most of the neighborhood roads rated a Condition F on the Municipality's 2020 survey of street surface conditions across Anchorage. This project is a priority for the area residents and Street Maintenance. The \$3,100,000 bond amount will provide for the third phase of construction. Design and the first two phases of construction were funded through prior year road bonds. Total project cost is estimated at \$18,000,000. Contact: Contact: Melinda Tsu at 343-8110. (CC: Sand Lake, AD 3)
- 14. Downtown Lighting and Signals Upgrade:** The project will replace and upgrade the signals, street lighting, and all related electrical components on the E Street to A Street segment of 4th Avenue. Previous bond funds have produced an inventory and condition assessment of the existing lighting/signals/electrical systems for the entire downtown area. This effort has demonstrated that much of the infrastructure downtown has exceeded its life expectancy. Safety concerns are evident in reduced lighting levels, poles that are beginning to lean, and wiring that is subject to shorts and other issues. Due to the very large scope and cost of the project, upgrade/replacement will be done in phases by priority. 4th Avenue is the highest priority from that study effort. This bond includes \$3,000,000 for 2021; \$2,500,000 for construction and \$500,000 for continued design on the next phase. Funding for additional priorities is anticipated in future bond packages. The total project cost is estimated in excess of \$100,000,000. Contact: Melinda Tsu at 343-8110. (CC: Downtown & AD: 1)
- 15. East 20th Ave Pedestrian Improvements – Tikishla Park to Bragaw St:** This project will construct a pathway along East 20th Avenue, on Nichols Street from East 20th to Northern Lights Boulevard, and on Norene Street from 16th Ave to 20th Avenue. This project began after receiving a state grant. The grant funded a portion of design, which is underway. The \$300,000 bond amount will allow for design completion. Total project cost is estimated at \$3,000,000. East 20th Avenue is a heavily used walking route for students at Bettye Davis East High School and Russian Jack Elementary School. Contact: Russ Oswald at 343-8196. (CC: University, AD 4)
- 16. Ellen Ave Improvements – Klatt Road to 123rd Ave:** The project scope is expected to include drainage enhancements including a combination of improvements to ditches and culverts. The street will be resurfaced. The deterioration of the road surface and proliferation of potholes have negatively impacted area residents and increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$250,000 bond amount will allow for 2021/2022 construction. Total project cost is estimated at \$250,000. Contact: Paul VanLandingham at 343-8372. (CC: Old Seward/Oceanview, AD 6)

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- 17. Flooding, Glaciation, and Drainage Annual Program:** 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 will allow the Municipality to respond quickly to the needs as they are identified. Design and construction funding are proposed annually. This bond includes \$1,750,000 for design and construction. Contact: Kent Kohlhasse, 343-8143. (CC & AD: ARDSA-wide)
- 18. Four Seasons Mobile Home Park Area Storm Drainage Improvements:** This project will install a lining in the storm drain pipe in portions of Honeysuckle Avenue, Newell Street, and East 4th Avenue and will replace some sections as needed. The existing drainage system has deteriorated to the point that it may soon fail. The project is a priority for Street Maintenance because this pipe carries a large portion of the drainage from northeast Anchorage. This bond includes \$250,000 to complete design. Construction is anticipated in late 2022 or 2023, depending on the availability of funding. The total project cost is estimated to be \$2,000,000. Contact: Russ Oswald at 343-8196. (CC: Northeast, AD 5)
- 19. Hacienda Dr. Drainage Improvements:** This project will construct drainage improvements on Hacienda Drive. These improvements will include a new storm system and resurfacing the street. The project is a priority for the surrounding residents and Street Maintenance. The \$150,000 bond amount will allow for 2021 construction. Total project cost is estimated at \$150,000. Contact: Paul VanLandingham at 343-8372. (CC: Abbott Loop, AD 4)
- 20. 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 Municipality's 2020 Pavement Condition Survey rated many of these road segments as Condition F - the worst designation. This bond includes \$3,000,000 for the second phase of construction. The second phase includes improvements to Image Drive and the adjoining circles. The estimated total project cost is \$17 million. Phase I construction primarily included improvements to Reflection Drive and was funded with a combination of state grants and prior year bonds. Construction began on this phase late 2020 and will continue into 2021. Phase II is expected to bid in 2021, but most construction activity will occur in 2022. Contact: Russ Oswald, 343-8196. (CC: University, AD 5)
- 21. Intersection Resurfacing:** This project will resurface intersections throughout ARDSA. Due to the starting/stopping action of vehicles, the road surfaces around intersections wear down more quickly than the road surfaces between intersections. This project will target intersections that have required repeated maintenance service. Over 250 locations throughout ARDSA have been repaired in the last three years of this program. This project is a priority for Street Maintenance. The \$150,000 bond amount will allow for 2021 construction. The project is an annual program. Contact: Paul VanLandingham at 343-8372. (CC & AD: ARDSA-wide)
- 22. Lakehurst Dr Area Drainage Improvements Phase IV:** This project will continue the installation of a sub drain storm system in the Lakehurst Subdivision area. The purpose of the project is to alleviate flooding of private property and roads due to the high-water table throughout the entire subdivision. Phase I completed the tie-in into the Alaska Department of Transportation storm drain system on Dimond Boulevard, and paving of the main subdivision intersection. Phases II through IV continued the sub drain further into the subdivision. Remaining phases will continue into the subdivision until the ground water is controlled. These improvements

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are expected to include improving the ditches, installing some sub drain, replacing ineffective culverts, reshaping the roadway to reestablish drainage flow, and resurfacing the streets as needed. The project is a priority for the surrounding residents and Street Maintenance. The \$200,000 bond amount will allow for 2021/2022 construction of the fifth phase of the project. Total project cost is estimated at \$1,000,000.00. Contact: Paul VanLandingham at 343-8372. (CC: Sand Lake, 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 from the storm sewer system. This bond includes \$250,000 to identify and construct infrastructure in 2021 and 2022. This is an annual program. Contact: Kristi Bischofberger. (CC & AD: ARDSA-wide)
- 24. M St Improvements – 4th Ave to 5th Ave:** This project will reconstruct M Street in conjunction with improvements to Elderberry Park being done by the Parks Department. Improvements are expected to include a new road base with curb and gutter and changes in the parking patterns. This bond includes \$1,500,000 to fund construction anticipated to begin in late 2021. Total project cost for the road improvements is estimated at \$2,000,000. Contact: Russ Oswald at 343-8196. (CC: Downtown, AD 1)
- 25. Mountain View Dr Surface Rehab – Taylor St to McCarrey St:** This project will resurface this minor arterial street. In addition, pedestrian facilities will be updated to current ADA standards. The top layer of pavement has eroded leaving deep ruts that are potentially hazardous. The project is a high priority for Street Maintenance. This bond includes \$1,300,000, which will fund construction anticipated to begin in 2021. Total project cost for the road improvements is estimated at \$2,000,000. Contact: Russ Oswald at 343-8196. (CC: Mountain View, AD 1)
- 26. Nathan Dr/74th Ave Area Drainage and Resurfacing:** 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 neighborhood roads rated in failing or serious condition by the 2020 road condition survey. The deterioration of the road surface and proliferation of potholes have negatively impacted area residents and increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$350,000 bond amount will allow for 2021/2022 construction. Total project cost is estimated at \$350,000. Contact: Paul VanLandingham at 343-8372. (CC:Abbott Loop, AD 4)
- 27. Pavement 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 need 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 \$1,000,000 for construction. This project ranked high primarily because of the deteriorating condition of local road surfaces throughout ARDSA. Construction will continue in 2021. Contact: Paul VanLandingham, 343-8372.
- 28. Pedestrian Safety and Rehab Improvements Annual Program:** This annual program funds pedestrian safety and rehab projects throughout Anchorage. Improvements include construction of missing links to the existing network of pedestrian facilities, and rehabilitation of existing sidewalks and trails. This bond includes

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\$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)

- 29. Providence Dr/University Dr Surface Rehab – Lake Otis Pkwy to East End:** This project will resurface this minor arterial street. In addition, pedestrian facilities 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. The roads provide key access to Providence Hospital, the University of Alaska Anchorage, and Alaska Pacific University. This bond includes \$250,000 which will fund a Design Study Report. Total project cost for the road improvements is estimated at \$4,100,000. Contact: Gary Jones at 343-8446. (CC: University, AD 4)
- 30. Quinhagak St Upgrade – E Dowling Rd to Askeland Dr:** The project will reconstruct this local road. Improvements are expected to include a new road base, storm drain repair or replacement as needed, curb and gutter, and updated street lighting. MOA's 2020 Pavement Condition Survey rated this road segment as Condition F - the worst designation. The project has been a high priority of the Abbott Loop Community Council for many years. Although the street itself is in a light industrial zone, it is used heavily by the large residential area to the south for access onto Dowling Road. This bond includes \$500,000 for a Design Study Report. Construction is anticipated in 2024 depending on the availability of funding. The total project cost is estimated at \$4,500,000. Contact: Gary Jones, 343-8446. (CC: Abbott Loop, AD 4)
- 31. Road and Storm Drain Improvements Annual Program:** This program funds road and drainage repair 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. This bond includes \$1,750,000 for design and construction. Construction is expected to occur in 2021/2022. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
- 32. Sound Barrier/Retaining Wall Replacement:** This project will replace sound barrier, retaining walls, and other types of fencing located with municipal rights-of-way 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 has deteriorated 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 2021 construction. Contact: Paul VanLandingham at 343-8372. (CC & AD: ARDSA-wide)
- 33. 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 drainpipe in the Anchorage Roads and Drainage Service Area. Metal pipe was primarily used prior to 1990. Much of the metal storm drainpipe in the Anchorage system has deteriorated to the extent that in some instances it has completely vanished. These system failures impact the public in many

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ways. Primary impacts include health & safety consequences and property damage through flooding. This bond includes \$1,000,000 for assessment and rehabilitation work to be performed in 2021 and 2022. This is an annual program. Contact: Melinda Tsu, 343-8110. (CC & AD: ARDSA-wide)

- 34. Ticia Cir/Ashley Cir Area Drainage Improvements:** This funding will provide for a 2021 construction start. The two circles will be reconstructed. Improvements are expected to include a new road base, installation of a storm drain system, and replacing the curbs and gutters. These roads have exceeded their life expectancy and are in need of reconstruction as evidenced by major frost heaving and cracks in the asphalt. There is a large sinkhole in the street. The Sand Lake Community Council passed a resolution in support of the project. This bond includes approximately \$2,300,000 for construction. The total project cost is estimated at \$2,800,000. Contact: Melinda Tsu, 343-8110 (CC: Sand Lake, AD 3)
- 35. 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 Engineering Department in conjunction with public involvement. Design and construction funding are 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 \$1,000,000 for project management, design, and construction of improvements. Contact: John Crapps, 343-8425. (CC & AD: Areawide)
- 36. Valley Street Improvements – 6th Avenue to 10th Avenue:** This project will construct drainage improvements and resurface the street. The project is a priority for the surrounding residents and Street Maintenance. The \$300,000 bond amount will allow for 2021/2022 construction. Total project cost is estimated at \$300,000. Contact: Paul VanLandingham at 343-8372. (CC: Northeast, AD 5)
- 37. W 32nd and E 33rd Ave Upgrades – Spenard Rd to Old Seward Hwy:** The project will upgrade these collector streets to include a new road base, curb and gutter, storm drains, improved street lighting, bicycle and pedestrian facilities, and landscaping. The first phase, scheduled to be constructed in 2021, will create a non-motorized connection between Arctic Boulevard and Spenard Road. In addition, W 30th Avenue, which is a local road, will be upgraded. West 32nd and East 33rd Avenues serve as the major non-motorized east/west connection in Midtown Anchorage. The \$1,500,000 bond amount will fund construction of the first phase. Total project cost on all four phases is estimated at \$25,000,000. Contact: Melinda Tsu, 343-8110. (CC: Midtown & Spenard, AD 3,4)
- 38. West Anchorage Snow Disposal Site:** The project will design and construct a snow disposal site to serve the west side of Anchorage. The Municipality needs a new location for snow storage because the previous west Anchorage location is on property not owned by the Municipality. Hauling snow over longer distances increases costs and the length of time to complete removal after a snow event. The \$470,000 bond amount will allow for continued design for the snow storage site. The site selection process is currently underway. Total project cost will be determined during the design study phase, which is under contract. Contact: Melinda Tsu, 343-8110. (CC: Sand Lake, AD 3)
- 39. Zodiac Manor Subd Area Surface Rehab Phase II:** This project will resurface the streets in Zodiac Manor Subdivision. These improvements are expected to include improving the ditches, replacing ineffective culverts, reshaping the roadway to reestablish drainage flow, and resurfacing the streets as needed. The project is a priority for the surrounding residents and Street Maintenance. The \$300,000 bond amount will allow for

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2021/2022 construction of the second phase of the project. Total project cost is estimated at \$600,000. Contact: Paul VanLandingham at 343-8372. (CC: Abbott Loop, AD 4)

- 40. Pine Street and Reka Drive Pullout Removal:** This project will remove the existing pullout at this intersection and replace it with a continuation of the paved asphalt trail, reestablish the curb line, construct a drainage inlet, and install landscaping. The \$160,000 bond amount will allow for 2021 construction. Total project cost is estimated at \$160,000. Contact: Kent Kohlhase at 343-8143. (CC: Russian Jack, AD 5)

- 41. Heavy Equipment Fleet Vehicles:** This funding will purchase three pieces of heavy equipment that are essential to continued Street Maintenance operations. The pieces include a Front End Loader with bucket, a Vacuum Sweeper, and a Mechanical Sweeper. As federal regulations have increased the number of sweeps the Municipality is required to perform each spring, the wear and tear on the equipment increases reducing its useful life. This bond includes approximately \$995,000 for the purchase. Contact: Alan Czajkowski, 343-8269. (CC & AD: ARDSA-wide)