



April 4, 2017 Ballot Proposition FACT SHEET

Proposition #4 Anchorage Road & Drainage Service Area \$36,940,000

Projects

1. 11 th Ave/12 th Ave Alley Drainage – A St to Cordova St	\$80,000	20. Fish Creek Improvements Phase V – Cook Inlet to Lake Otis Pkwy	\$250,000
2. 22 nd Ave Drainage Improvements – Farmer Pl to Boniface Pkwy	\$60,000	21. Flooding/Glaciation/Drainage Program	\$2,000,000
3. 75 th Ave/Nathan Dr Area Drainage	\$150,000	22. Image Dr/Reflection Dr Area Road Reconstruction	\$500,000
4. 82 nd Ave Storm Drain Replacement – West of Old Seward Hwy	\$500,000	23. Intersection Resurfacing	\$100,000
5. 92 nd Ave Resurfacing – C St to King St	\$150,000	24. Jamestown Dr Area Drainage Improvements	\$500,000
6. 100 th Ave Extension Phase II – Minnesota Dr to C St	\$6,700,000	25. Lakehurst Dr Area Drainage Improvements – Phase II	\$200,000
7. 104 th Ave/Olive Ln Resurfacing	\$200,000	26. Lakeview Terrace Subdivision Area Street Resurfacing	\$200,000
8. Abbott Loop Manor Subd Area Resurfacing	\$300,000	27. Local Match for Federally Funded AMATS Projects	\$200,000
9. ADA Improvements	\$500,000	28. Loon Cove Area Drainage Improvements	\$200,000
10. Alaska Railroad Crossing Rehabilitation	\$500,000	29. Low Impact Development Annual Program	\$250,000
11. Anchorage Signal System, Signage and Safety Improvements	\$250,000	30. Pedestrian Safety and Rehab Annual Program	\$1,000,000
12. ARDSA Alley Paving	\$300,000	31. Pleasant Valley Subdivision Area Road and Drainage Rehabilitation	\$500,000
13. ARDSA Street Light Improvements	\$750,000	32. Recycled Asphalt Pavement (RAP) and Subbase Rehabilitation	\$600,000
14. Bering Street Roof Replacement & Code Upgrades	\$400,000	33. Road and Storm Drain Improvements Annual Program	\$1,000,000
15. Campbell Woods Subd Area Road and Drainage Improvements	\$700,000	34. Spruce Heights Subd Area Drainage Improvements	\$50,000
16. Chester Creek Flooding – Lagoon to A St	\$500,000	35. Storm Drain Condition Assessment and Rehabilitation Program	\$1,000,000
17. Dowling and Sunchase Bus Turnout/Stop	\$100,000	36. Traffic Calming and Safety Improvements	\$500,000
18. Downtown Lighting and Signals Upgrades	\$1,000,000	37. Turnagain Blvd Upgrade – 35 th Ave to Spenard Rd	\$8,000,000
19. Duben Ave Upgrade – Patterson St to Muldoon Rd	\$6,700,000	38. Woodward Dr Resurfacing	\$50,000
		Total	\$36,940,000

Project Descriptions

See attached list.

Costs Associated with Bond Approval

Bond Principal Amount	\$36,940,000
Estimated Annual Cost of Debt Service	\$2,658,280
Annual Increased Operations and Maintenance Costs	\$562,500



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

To Retire Debt	\$9.36
Operations and Maintenance Costs	\$1.98

This bond will be voted on and if approved, will first impact property taxes of those that reside in the Anchorage Road 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 4, 2017 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.

2017 ARDSA ROAD AND DRAINAGE BOND PROPOSITION #4 PROJECT INFORMATION

1. **11th Ave/12th Ave Alley Drainage – A St to Cordova St:** This project will improve the drainage in the alley in preparation for paving. Storm drain installation is anticipated along with reshaping the surface to promote drainage flow. The project is intended to alleviate localized flooding that impacts area residents. This bond includes approximately \$80,000 for 2017 construction. Total project cost for the drainage improvements is estimated at \$80,000. Contact: Paul Van Landingham at 343-8372. (CC: South Addition, AD 1)
2. **22nd Ave Drainage Improvements – Farmer Pl to Boniface Pkwy:** This project will construct drainage improvements. These improvements are expected to include installing a storm drain system, improving the ditches, and reshaping/resurfacing the roadway to reestablish effective drainage flow. Controlling the street runoff will reduce the road surface deterioration. The properties on this street are plagued with flooding and glaciation. This project is a priority for Street Maintenance. The \$60,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$60,000. Contact: Paul VanLandingham at 343-8372. (CC: Russian Jack, AD 5)
3. **75th Ave/Nathan Dr Area Drainage Improvements:** This project will construct drainage improvements. These improvements are expected to include replacing storm drain pipe, improving the ditches, and reshaping/resurfacing the roadway to reestablish effective drainage flow. Some segments of these streets have settled and prevents the designed runoff from occurring. A complete storm drain system assessment will be accomplished in the neighborhood as part of the project. This will be a two-year effort with drainage and assessment being done in 2017 and paving in 2018. Ponding and glaciation negatively impact the homes along these streets. This project is a priority for Street Maintenance. The \$150,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$150,000. Contact: Paul VanLandingham at 343-8372. (CC: Taku/Campbell, AD 4)
4. **82nd Ave Storm Drain Replacement - west of Old Seward Hwy:** This project will install storm drain in 82nd Avenue including piping and an open ditch on the west end. This section of 82nd Avenue frequently floods during high precipitation events and ponding exists for months during breakup. The flooding is a hazard to motorists and a threat to nearby businesses. This project is a priority Street Maintenance and local businesses. The \$500,000 bond amount will fund design. Construction is anticipated in 2019. Total project cost is estimated at \$2,600,000. Contact: Glenda Radvansky at 343-8123. (CC: Taku/Campbell, AD 4)
5. **92nd Ave Resurfacing – C St to King St:** This project will reestablish ditching and flow lines and resurface this section of 92nd Avenue. The scope is expected to include minor drainage work at the King Street intersection including a small amount of curb and gutter. The road will be reclaimed and strip paved the entire length. The deterioration of this industrial strip paved road and proliferation of pot holes have negatively impacted residential and commercial vehicle traffic and increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$150,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$150,000. Contact: Paul VanLandingham at 343-8372. (CC: Bayshore/Klatt & Taku/Campell, AD 4,6)

2017 ARDSA ROAD AND DRAINAGE BOND PROPOSITION #4 PROJECT INFORMATION

6. **100th Ave Extension – Minnesota Dr to C St Phase II:** This project will construct a new minor arterial road to current standards. Improvements are expected to include a three-lane configuration with wide shoulders to accommodate cyclists, ditches, paved pathways on both sides, traffic signals at C Street, roundabouts at Minnesota Drive and street lighting. This project is a top transportation priority for the Municipality of Anchorage, AMATS, and Bayshore/Klatt residents. When finished, the new arterial will complete the 100th Avenue east/west corridor and serve to alleviate heavy traffic volumes on Dimond Boulevard. This bond includes approximately \$6,700,000 for 2017 construction. Total project cost is estimated at \$18.7 million. Design efforts, right of way acquisition, utility relocation, and surcharge were previously funded with a combination of local road bonds and state grants. Contact: John Smith, 343-8422. (CC: Bayshore/Klatt, AD 6)
7. **104th Ave/Olive Ln Resurfacing:** This project will resurface these two streets in an industrial/commercial zone in south Anchorage. The scope is anticipated to include minor improvements to drainage, dig outs where needed, and a combination of overlay and full depth paving on 104th Avenue from the railroad to King Street. The work on Olive Lane will include controlling an underground spring with a combination of open ditching and culverts. Olive Lane will be strip paved from 104th Avenue to the south end. The deterioration of the road surface and proliferation of pot holes have negatively impacted area businesses and increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$200,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$200,000. Contact: Paul VanLandingham at 343-8372. (CC: Bayshore/Klatt, AD: 6)
8. **Abbott Loop Manor Subdivision Area Resurfacing:** The project scope is expected to include drainage enhancements with a combination of improvements to ditches and the piped storm drain system. Reclaiming the MOA right-of-way is necessary in some spots. The streets will be resurfaced with some overlay and some full depth paving. Many of these neighborhood roads scored the worst possible Condition F in the 2014 Governmental Accounting Standards Board (GASB) survey. The deterioration of the road surface and proliferation of pot holes have negatively impacted area residents and increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$300,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$300,000. Contact: Paul VanLandingham at 343-8372. (CC: Abbott Loop, AD 4)
9. **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 2018 construction start is planned. Contact: John Smith, 343-8422. (CC & AD: ARDSA-wide)
10. **Alaska Railroad Crossing Rehabs:** This funding will reimburse the Alaska Railroad (ARR) for road and track rehabilitation work at railroad crossings on municipal routes. 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 crossings identified by the ARR. This is an annual program and a 2017 construction start is planned. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)

2017 ARDSA ROAD AND DRAINAGE BOND PROPOSITION #4 PROJECT INFORMATION

11. **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)
12. **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 300 unpaved alleys remaining within ARDSA. This project is a priority for Street Maintenance. The \$300,000 bond amount will allow for 2017 construction. Contact: Paul VanLandingham at 343-8372. (CC: ARDSA wide, AD All)
13. **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 \$750,000 for installation and replacement. Contact: Alan Czajkowski, 343-8269. (CC & AD: ARDSA-wide)
14. **Bering St Roof Replacement and Safety/Code Upgrades:** This project will replace the roof on the Bering Street Fleet Maintenance facility that serves the Municipality's Street Maintenance operation. The roof is 38 years old and has deteriorated to the point that patching is not a viable option. This project will also accomplish safety and required code upgrades. This bond includes approximately \$400,000 for the roof replacement and Safety/Code Upgrades. Contact: Alan Czajkowski, 343-8269. (CC & AD: ARDSA-wide)
15. **Campbell Woods Subd Area Road and Drainage Improvements:** This project will construct drainage improvements in this neighborhood. These improvements are 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 2014 Governmental Accounting Standards Board (GASB) survey of street surface conditions in the Municipality. This project is a priority for the area residents and Street Maintenance. The \$700,000 bond amount will allow for design to be completed. Total project cost is estimated at \$18,000,000. Project construction will be phased with the first phase planned for 2019. Contact: Steve Gillette at 343-8173. (CC: Sand Lake, AD 3)

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16. **Chester Creek Flooding – Lagoon to A St:** This project will construct improvements in the Chester Creek basin to address the flooding that has impacted adjacent property owners. Hydraulic modeling has been completed and alternative solutions are being developed to alleviate the flooding. This project is a priority for property owners along the creek. The \$500,000 bond amount will allow for the continuation of design. Construction is anticipated to begin in 2019. Contact: Russ Oswald at 343-8196. (CC: Fairview, North Star, South Addition, AD 1, 3)
17. **Dowling and Sunchase Bus Turnout/Stop:** This project will evaluate the feasibility of constructing a bus turnaround area/stop near the intersection of Sunchase Street and East Dowling Road. Currently, buses come to a halt on East Dowling Road, which is not an ideal situation. East Dowling is a four-lane major arterial with a 45 mph speed limit. The purpose of the project is to find a solution that provides a safer arrangement for school children and drivers. This project is a priority for the neighborhood and the Campbell Park Community Council. The \$100,000 bond amount will fund the initial design effort. Total project cost is estimated at \$300,000. 2019 construction is anticipated. Contact: Gary Jones at 343-8446. (CC: Campbell Park, AD 4)
18. **Downtown Lighting and Signals Upgrade:** This project will systematically upgrade the signals and lighting systems in the Downtown area by identifying the priority repairs that are needed and overhauling the electrical systems that support the signals and lighting. Previous bond funds have produced an inventory of the existing lighting/signals/electrical systems and their current condition. 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. The project is a high priority for Municipality of Anchorage and business owners. This bond includes approximately \$1,000,000 to continue design and construct some high priority upgrades. The total project cost is estimated at \$80,000,000. Contact: John Smith, 343-8422. (CC: Downtown & AD: 1)
19. **Duben Ave Upgrade – Patterson St to Muldoon Rd:** This project will reconstruct this local road to current standards. Urban standards typically include a new road base, curbs, pavement, storm drains, street lighting, and pedestrian facilities if warranted. Design and right of way acquisition are nearly complete, funded with a \$3.0 million state grant in 2012. This section of Duben Avenue has steep slopes, little lighting and no pedestrian facilities. It is a primary walking and vehicular route connecting a large residential area and the Muldoon commercial corridor. The project is a high priority for the Northeast Community Council and Street Maintenance. This bond provides approximately \$6,700,000 for a 2017 construction start. The total project cost is estimated at \$9,700,000. Contact: Dean Karcz, 561-6237. (CC: Northeast, AD: 5)
20. **Fish Creek Improvements Phase V:** This project will construct water quality and drainage capacity improvements on Fish Creek. The possible scope for Phase V improvements may include construction of detention and storage facilities in the upper watershed upstream of the New Seward Highway. Installing creek signage and other water quality and creek capacity improvements are also anticipated. Several phases have already been constructed based on a drainage study. Development has affected the natural flow of the creek and creek capacity is inadequate for current flow. The goal of the improvements will be to maintain the municipal water quality BMP program. The project is a high priority for the community council. This bond includes approximately \$250,000 for design. The total project cost is estimated at \$750,000. Contact: Gary Jones, 343-8446. (CC: Tudor Area, AD: 4)

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21. **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: Crawford St, 27th Ave Alley, Chugach Foothills, Juneau St/Karluk St Area, Four Seasons Mobile Home Park Area, Reka Dr, 2nd Ave/Nelchina St, Spinnaker Dr, E Klatt Rd, and W Northern Lights at the Alaska Railroad crossing. Design and construction funding is proposed annually. This bond includes approximately \$2,000,000 for design and construction. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
22. **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 2014 Governmental Accounting Standards Board (GASB) survey rated many of these road segments as Condition F. This bond includes approximately \$500,000 to continue design. The estimated total project cost is \$9.0 million. Design is underway. 2019 construction is anticipated depending on funding availability. Contact: Russ Oswald, 343-8196. (CC: University, AD 5)
23. **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 2017 construction. The project is an annual program. Contact: Paul VanLandingham at 343-8372. (CC & AD: ARDSA-wide)
24. **Jamestown Dr Area Drainage Improvements:** This project will replace failed and undersized storm drain. Portions of the existing pipe have failed. Specific segments will be upsized to eliminate pipe size discrepancies. This project is a priority for Street Maintenance and area residents. The \$500,000 bond amount will provide for a design start. Total project cost is estimated at \$2,300,000 with 2018 construction anticipated. Contact: Glenda Radvansky at 343-8123. (CC & AD: ARDSA-wide)
25. **Lakehurst Dr Area Drainage Improvements Phase II:** This project will continue the installation of sub drain in the Lakehurst Subdivision area. The purpose of the project is to alleviate private property and roadway flooding due to the high water table throughout the entire subdivision. Phase I completed the tie in into the DOT system on Dimond Boulevard and paving of the main subdivision intersection. Remaining phases will continue into the subdivision until the ground water is controlled. These improvements 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 2017 construction of the second phase of the project. Total project cost is estimated at \$800,000. Contact: Paul VanLandingham at 343-8372. (CC: Sand Lake, AD 3)

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26. **Lakeview Terrace Subdivision Street Resurfacing:** This project will resurface the worst segments on Olympic Drive, Chelatna Circle, Tolsona Circle, and Whitefish Circle. The driving surface is perhaps the most challenging in ARDSA. Massive frost heaves and wide longitudinal cracks are potentially hazardous to vehicles and non-motorized users and result in increased maintenance costs to the Municipality. This project is a priority for Street Maintenance. The \$200,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$200,000. Contact: Paul VanLandingham at 343-8372. (CC: Bayshore/Klatt, AD: 6)
27. **Local Match for Federally Funded Projects:** This annual program will provide the local match to federally funded projects as identified in the Anchorage Metropolitan Area Transportation Solutions (AMATS) Transportation Improvement Program (TIP). Funding by the Municipality is required to be able to use the AMATS allocation for municipal projects. This bond includes approximately \$200,000 for the 2017 match. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
28. **Loon Cove Area Drainage Improvements:** This project will install storm drain pipe from 40th Avenue to Reflection Drive. The existing drainage system is inadequate resulting in flooding to private property. The project is a priority to the property owners. This bond includes approximately \$200,000 to complete design. Design is underway funded through a state grant. Construction is anticipated in 2018 depending on the availability of funding. The total project cost is estimated to be \$1,700,000. Contact: Russ Oswald, 343-8196. (CC: University, AD: 5)
29. **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 Alaska Pollution Discharge Elimination System (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 2017 and 2018. This is an annual program. Contact: Kristi Bischofberger. (CC & AD: ARDSA-wide)
30. **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. Some of projects that may receive funding through this program include E 20th Avenue, Reka Drive and Lower Ship Creek Connections. 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. Construction is expected to begin in 2017 on some of the projects. Contact: Russ Oswald, 343-8196. (CC& AD: ARDSA-wide)
31. **Pleasant Valley Subdivision Area Road Reconstruction/Upgrade:** This project will upgrade the local roads in this area to current municipal standards. Improvements are expected to include a new road base, pavement, storm drains with curb and gutter, street lights, and pedestrian facilities if warranted. Most of these local roads were rated Condition F in the 2014 Governmental Accounting Standards Board (GASB) survey. This project is a priority for area residents, the Scenic Foothills Community Council, and Street Maintenance. This bond includes approximately \$500,000 for a design continuation. Design is underway and was funded with a state grant. The total project cost is estimated at \$15,000,000. Year of construction is dependent on funding availability. Construction is planned in phases. Contact: Dean Karcz, 561-6237. (CC: Scenic Foothills, AD: 5)

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32. **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. Zodiac Manor is one of the primary subdivisions to be targeted in 2017. 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 2017. Contact: Paul VanLandingham, 343-8372. (CC& AD: ARDSA-wide)
33. **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 15th Ave – Minnesota Dr to Gambell St, 36th Ave – New Seward Hwy to MacInnes, Commercial Dr - 3rd Ave to Mountain View Dr, Lake Otis Pkwy – Abbott Rd to Huffman Rd, Mountain View Dr- Commercial Dr to Bragaw St, Providence Dr – Lake Otis Pkwy to Elmore Rd, Tudor Centre/Diplomacy Dr, 11th and 12th Ave east of Valley, Gilmore and Prosperity Estates Subdivision areas, 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 2017/2018. Contact: Gary Jones, 343-8446. (CC & AD: ARDSA-wide)
34. **Spruce Heights Subdivision Area Drainage Improvements:** This project will make curb and gutter improvements to reestablish drainage flows in the area. Settling of the street has resulted in ponding and damage to the road base may occur if not corrected. The project is a high priority for Street Maintenance. This bond includes approximately \$50,000 for 2017 construction. The total project cost is estimated at \$800,000. Contact: Paul VanLandingham, 343-8372. (CC: Taku/Campbell, AD: 4)
35. **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 and in some instances developers were creative and even used substitutes such as metal barrels/55 gallon drums laid end to end to divert or convey storm water from their properties. 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 2017 and 2018. This is an annual program. Contact: Glenda Radvansky, 343-8123. (CC & AD: ARDSA-wide)

2017 ARDSA ROAD AND DRAINAGE BOND PROPOSITION #4 PROJECT INFORMATION

- 36. 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)
- 37. Turnagain Blvd Upgrade – 35th Ave to Spenard Rd:** This project will upgrade Turnagain Boulevard to current neighborhood collector standards. Improvements are expected to include storm drain installation, a new road base, curb and gutter, pedestrian facilities, street lighting, and three separated drainage projects extending into the adjacent neighborhood. This bond includes approximately \$8,000,000 to provide for 2017 construction. Design was funded through a combination of state grants and road bonds. The total project cost is estimated at \$9,700,000. Contact: Steve Gillette, 343-8173. (CC: Spenard, Turnagain & AD: 3)
- 38. Woodward Dr Concrete Repair:** This project will repair sections of the gutter along the roadway to reestablish effective drainage flow and some segments of the road may be resurfaced as well. Some portions of the gutter have settled and prevent the designed runoff from occurring. This project is a priority for the surrounding residents and Street Maintenance. The \$50,000 bond amount will allow for 2017 construction. Total project cost is estimated at \$50,000. Contact: Paul VanLandingham at 343-8372. (CC: Huffman/O'Malley, AD 6)