

State of Alaska
 Department of Education and Early Development
 Capital Improvement Projects (FY2020)
 Project Descriptions/Maintenance

Priority	District	Project Name	Project Description
1	Fairbanks	Barnette Magnet School Renovation Phase IV	This project completes a renovation of the 39,054 square foot building built in 1960, with additions in 1970, 1974, and 2013. The completion will include the exterior building envelope, windows, doors, and interior finishes; major systems installations in heating, ventilation, and electrical; demolition of the 14,572 square foot 1970 addition; hazardous material abatement; and a realignment of spacing to meet education needs.
2	Galena City	Galena Interior Learning Academy Composite Building Renovation	This project renovates the 17,575 square foot facility built in 1985. Major systems, including architectural, mechanical, and electrical, will be addressed. The scope of work includes code compliance and energy efficiency upgrades, building envelope renovations, and replacement of the fire alarm system.
3	Chugach	Tatitlek K-12 School Renovation	This project will renovate 14,972 square feet of facilities built between 1983 and 1989 to correct code deficiencies and life safety issues, renew and replace building components, and incorporate energy upgrades. The scope of work, which addresses site/civil, structural, mechanical, and electrical systems, includes replacement of exterior envelope, interior finishes, and generator; installation of three high-efficiency boilers, a DDC system, LED lighting, and an intercom system.
4	Kake City	Kake Schools Heating Upgrades	This project reimburses the district for costs to replace the heating and hot water system of campus facilities totaling 75,756 square feet built between 1973 and 2011. The scope of work included replacement of thermostats, valves, and hot water makers; installation of circulation pumps and thermal expansion tank; and revision of existing piping.
5	Anchorage	West High School Partial Roof Replacement	This project reimburses the district for funds expended to replace 162,500 square feet of roofing on the 340,032 square foot facility originally built in 1953, with additions between 1966 and 2015. The scope of work included removal of existing roofing system, installation of EPDM membrane roofing with new drains and gutters, and structural improvements. This project is complete.
6	Anchorage	Nunaka Valley Elementary School Roof Replacement	This project reimburses the district for funds expended to replace the roof system of the 44,100 square foot facility originally built in 1959, with additions 1961, 1965, 1983, and 1998. The scope of work included removal of existing paver roofing, installation of EPDM membrane roofing with new drains and gutters, and structural improvements. This project is complete.
7	Anchorage	Northwood Elementary School Partial Roof Replacement	This project reimburses the district for funds expended to replace 35,800 square feet of roofing on the 61,115 square foot facility originally built in 1963, with additions 1966, 1970, and 1987. The scope of work included removal of existing roofing, installation of EPDM membrane roofing with new drains and gutters, and structural improvements. This project is complete.
8	Nenana City	Nenana K-12 School Flooring and Asbestos Abatement	This project reimburses an initial phase and funds additional flooring replacement at the 62,052 square foot facility originally built in 1955 with additions in 1966, 1972, and 1986. Project will replace and abate flooring in the high traffic corridors and will provide for replacement of remaining flooring in classrooms and other areas. Hazardous material abatement is included. Project is partially complete.

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9	Anchorage	Inlet View Elementary School Domestic Water System Improvements	This project reimburses the district for funds expended to replace the original galvanized-pipe domestic water systems of the 32,470 square foot school originally built in 1957, with additions in 1972 and 1985. The scope of work included demolition and replacement of existing piping, installation of new fixtures, and abatement of hazardous material. This project is complete.
10	Juneau City Borough	Sayéik: Gastineau Community School Partial Roof Replacement	This project will replace the existing membrane roof of the 36,106 square foot school built in 1953 and 1965. The scope of work includes demolition of roof assembly to the structure, structural code upgrades, increase of insulation to meet DEED energy standards, and installation of new membrane roofing assembly.
11	Copper River	District Office Roof Renovation and Energy Upgrade	This project will address the failing roof of the 15,156 square foot facility built in 1961 and 3,440 square foot addition built in 1972 and make energy upgrades. The scope of work includes removal of the existing roofing and insulation, repair of damaged wood deck, and installation of a new membrane roof and insulation. Energy efficiency upgrades include replacing lights and installing occupancy sensors, insulating foundation, installing DDC system, replacing exterior door, and installing new vinyl windows.
12	Lower Yukon	Hooper Bay K-12 School Exterior Repairs	This project reimburses the district for funds expended to replace the siding and roof of the 73,864 square foot facility built in 2006. Scope of work included replacement of vinyl siding and composite shingle roof system with metal; repair of roof and siding substructure; and replacement of exterior windows and doors. This project is complete.
13	Chugach	Chenega Bay K-12 School Renovation	This project will renovate the 7,892 square foot school built in 1990 to correct code deficiencies and life safety issues, renew and replace building components, and incorporate energy upgrades. The scope of work, which addresses site/civil, structural, mechanical, and electrical systems, includes replacement of the exterior envelope, boiler and HVAC systems, stand-by generator, and plumbing; installation of a fire suppression and alarm system, intercom, and LED lighting fixtures; and upgrades to electrical systems.
14	Iditarod Area	David-Louis Memorial K-12 School HVAC Control Upgrades, Grayling	This project reimburses the district for costs to replace failed pneumatic HVAC controls at the 25,413 square foot facility built in 1987 with a 24-volt electric system and non-proprietary controls. Additional scope of work includes repair of the ventilation system and installation of a power conditioner. This project is complete.
15	Ketchikan	Ketchikan High School Security Upgrades	This project will replace and upgrade the security video cameras at the 180,614 square foot facility built between 1954 and 1993. High resolution cameras with remote monitoring capabilities will be installed around the exterior of the facility; scope includes installation of additional network wiring.
16	Hoonah City	Hoonah Central Boiler Replacement	This project replaces the boilers servicing the 76,263 square feet of facilities on the school campus built between 1955 and 2002. Two existing boilers will be replaced with three smaller units, with installation of necessary plumbing, electrical, and chimney systems.
17	Nenana City	Nenana K-12 School Boiler Replacement	This project replaces aged secondary boilers at the 62,052 square foot facility originally built in 1955 with additions in 1966, 1972, and 1986. Scope of work includes replacement of supporting day tank and hot water tank with smaller units.

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18	Fairbanks	Administrative Center Air Conditioning and Ventilation Replacement	This project reimburses the district for funds expended to replace air conditioning systems in the 1993 district office. Scope of work included installation of 4 rooftop chiller units, 5 spot chillers, and a new DDC system. This project is complete.
19	Aleutians East	Sand Point K-12 School Pool Major Maintenance	This project reimburses the district for funds expended to repair the failing pool deck gutter system of the 75 x 28 foot pool originally built in 1984. The scope of work included removal of aluminum gutter and installation of PVC gutter system with connection to existing plumbing, repair of PVC pool membrane, and installation of new deck surface. This project is complete.
20	Southeast Island	Thorne Bay K-12 School Fire Suppression System	This project provides replacement fire sprinklers for a 21,750 square foot school built in 1989 and a 19,902 square foot multipurpose facility built in 1992. The scope of work includes the replacement of automatic fire suppression distribution pipes, fittings and sprinkler heads; installation of additional sprinkler heads and air-dryers on air compressors; and upgrades to the fire pump controls.
21	Denali Borough	Anderson K-12 School Roof Replacement	This project will replace the roof of the 33,395 square foot school original built in 1973, with additions in 1977, 1979, and 1982. Scope of work includes removal of various roofing types, repair of damaged structure, structural upgrades, and installation of new insulation, ice shield, and metal roofing.
22	Anchorage	Muldoon Elementary School Partial Roof Replacement	This project reimburses the district for funds expended to replace 14,900 square feet of roofing on the 61,599 square foot facility built in 2000. The scope of work included removal of existing paver roofing and installation of EPDM membrane roofing with new drains and gutters. This project is complete.
23	Lower Yukon	Hooper Bay K-12 School Emergency Lighting & Retrofit	This project reimburses the district for costs of emergency lighting in the 73,864 square foot K-12 facility built in 2006. Scope included installation of battery back-up LED emergency lighting throughout the facility and replacement of gymnasium and multipurpose room lighting with LED fixtures. This project is complete.
24	Yukon-Koyukuk	Ella B. Verneti K-12 School Boiler Replacement, Koyukuk	This project will replace the original cast iron boilers of the 6,120 square foot facility built in 1979 with a 5,219 square foot addition in 1992. The scope of work includes new circulation pumps, flues and dampers, and DDC system.
25	Lower Yukon	Sheldon Point K-12 School Foundation Cooling and Repairs, Nunam Iqua	This project is in response to foundation settling caused by undetected plumbing leaks at the 20,530 square foot facility built in 2008.. The scope of work will convert the thermosyphon cooling system for the foundation to be capable of passive and active refrigeration and will include leveling of the slab and entry canopies and repair of the damaged interior wall finishes and gym floor. This project is partially complete.
26	Yupitit	Tuluksak K-12 School Fuel Tank Replacement	This project provides for the removal and replacement of fuel tanks installed from 1964 to 1980 and totaling 160,000 gallons. The scope of work includes the removal and disposal of tanks and the installation of six new tanks totaling 130,000 gallons with double-walled self-diking tanks on skids, gravel pad foundation, and security fencing.
27	Lower Yukon	Scammon Bay K-12 School Emergency Lighting & Retrofit	This project reimburses the district for costs of emergency lighting in the 44,060 square foot K-12 facility built in 2005. The scope included installation of battery back-up lamps throughout the facility. Gym and multipurpose room lighting was replaced with T5HO fluorescent lighting fixtures. This project is complete.

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28	Kodiak Island	Peterson Elementary School Roof Replacement	This project will replace the roofing system at the 32,884 square foot facility originally built in 1952, with additions in 1956, 1966, and 1996. Project scope includes removal of the paver-style roofing system, installation of a mechanically adhered membrane, replacement of on-roof HVAC system components, and an allowance for hazardous material abatement.
29	Chatham	Klukwan K-12 School Roof Replacement	This project will replace the original metal roof of the 10,500 square foot facility built in 1983 and remove skylights and passive roof vents. The scope of work includes repair of fascia windows and installation of material as a thermal break, gutters, and snow guards.
30	Haines Borough	Haines High School Locker Room Renovation	This project provides for a complete renovation of high school locker rooms at the 45,323 square foot facility built in 1970. The scope of work includes a reconfiguration of the showers, locker area, and toilet areas for ADA compliance and to provide for a fitness room. Renovation will include installation and modification of ventilation, plumbing, lighting, and fire suppression systems.
31	Lower Kuskokwim	Bethel Regional High School Boardwalk Replacement	This project replaces the original elevated boardwalk serving the 75,972 square foot school built in 1971. The scope of work includes construction of a steel-framed, wood planked walkway and stair with installed lighting.
32	Mat-Su Borough	Districtwide Seismic Upgrades, Phase 1	This project provides for seismic-related engineering and initial facility repairs in four facilities totaling 499,168 square feet, originally built between 1953 and 1976, with additions built between 1964 and 2009.
33	Chatham	Fire Alarm Upgrades, 3 Sites	This project is to address fire alarm system deficiencies at three school sites, in facilities built between 1960 and 1983, totaling 48,065 square feet. The scope of work includes removal of existing systems, and installation of new, addressable fire alarm systems. Devices, wiring, and alarm panels will be upgraded as needed.
34	Denali Borough	Generator Replacement, 3 Schools	This project will replace the back-up generators for three sites totaling 116,628 square feet, originally installed in 1977 (Anderson), 1978 (Cantwell), and 1982 (Healy/Tri-Valley).. The new generators will be properly sized for the current loads and will include new automatic transfer switches where needed.
35	Southeast Island	Thorne Bay K-12 School Carpet Replacement	This project reimburses the district for cost of replacing the original flooring in the high traffic areas of the 41,652 square feet of facilities built in 1989 and 1992. Scope of work includes subfloor preparation, rubber tile and carpet, and wood and rubber base. This project is complete.
36	Kuspuk	Jake Egnaty Sr K-12 School Roof Replacement, Sleetmute	This project replaces the original roof at the 10,022 square foot school built in 1979. The scope of work includes removal of existing roofing, repairs to plywood decking, installation of ice and water shield, flashings, and new metal roofing. Deteriorated fascia will also be replaced.
37	Sitka City Borough	Keet Gooshi Heen Elementary Covered PE Structure Renovation	This project renovates the 14,400 square foot outdoor covered play structure at the 1988 elementary facility. The scope of work includes replacement of roofing, gutters, and siding. New adjustable backboards will be installed.

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38	Haines Borough	Haines High School Roof Replacement	This project replaces approximately 33,125 square feet of asphaltic and membrane roofing material on the original 45,323 facility built in 1970. Scope of work includes removal and possible abatement of existing material, roof deck repairs, and installation of new insulation, vapor barrier, and EPDM membrane roofing.
39	Lower Kuskokwim	Akula Elitnavuk K-12 School Renovation, Kasigluk-Akula	This project renovates the 21,840 square foot school built in 1982 and associated outbuildings. Major systems will be addressed, including architectural, civil, structural, mechanical, and electrical. The scope of work includes removal and construction of new foundation system; structural repair; upgrade of lighting to LED, replacement of fire alarm system, exterior siding, flooring and finishes; and conformance to ADA standards. Hazardous material abatement is included.
40	Southwest Region	William "Sonny" Nelson K-12 School Renovation, Ekwok	This project provides for the renovation of the 9,644 square foot facility built in 1979. The renovations will include repair and replacement of exterior envelope; replacement of interior finishes, ventilation and controls, and lighting fixtures; and installation of a sprinkler system and fire alarm panel.
41	Craig City	Craig High School Biomass Boiler	This project provides for the design and construction of a 1 MMBTU biomass boiler system for the 44,492 square foot school built in 2000. The scope of work includes microchip boiler, fuel storage and feed system, electrical, and heat exchanger to integrate into existing hydronic system.
42	Annette Island	Metlakatla High School Gym Acoustical Upgrades	This project is make improvements to the acoustic performance and upgrade the sound system in the gymnasium at the 41,000 square foot facility built in 1968 and renovated in 2010. The scope of work includes installation of acoustic panels at the ceiling and upper walls and to reimburse the district for costs related to replacement of the sound system. A portion of this project is complete.
43	Nenana City	Nenana K-12 School Fire Suppression System Replacement	This project replaces failing the sprinkler system in the 15,403 and 28,868 square foot additions built in 1972 and 1986. Scope of work includes installation of piping, sprinkler heads, valves, and controls; modification of alarm system, and replacement of affected ceiling tiles. Hazardous material abatement is included.
44	Southeast Island	Thorne Bay K-12 School Mechanical Control Upgrades	This project provides for mechanical upgrades for the 21,750 square foot Thorne Bay School built in 1989 and the 19,902 square foot multipurpose building built in 1992. Integrated Direct Digital Control systems will replace failing pneumatic mechanical controls.
45	Kake City	Kake High School Plumbing Replacement	This project will provide for replacement of the domestic water piping at the 53,100 square foot facility built in 1973. An inspection and diagnosis will allow for compromised piping to be replaced as required. All affected finishes will be repaired and restored.
46	Yupiit	Tuluksak K-12 School Generator Refurbishment	This project will repair and refurbish the two generators providing prime power to the 42,404 square foot facility built in 2004. The scope of work includes repairs to the backup generator and electrical distribution system.

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47	Juneau City Borough	Dzantik'i Heeni Middle School Roof Replacement	This project will replace the original asphalt and membrane roofing of the 105,000 square foot school built in 1990. The scope of work includes demolition of roof assemblies to the existing structure, increase insulation, and installation of new roofing assemblies and associated appurtenances.
48	Copper River	Glennallen and Kenny Lake Schools Energy Upgrade	This project will provide energy efficiency upgrades to two sites with a total of 111,243 square feet originally built in 1977, with additions built between 1978 and 2008. The scope of work includes HVAC system
49	Anchorage	Fire Lake Elementary School Roof Replacement	This project reimburses the district for funds expended to replace the roof system of the 50,160 square foot facility built in 1985. The scope of work included removal of original portions of metal roofing and installation of asphalt shingles. This project is complete.
50	Southwest Region	Twin Hills K-12 School Renovation	This project provides for a renovation of the 6,617 building built in 1978. The exterior envelope will be renovated and the interior will receive upgrades. Exterior doors and frames will be replaced, and new windows and a new metal roof will be installed. Interior finishes, doors , and plumbing will be replaced; the HVAC system will be upgraded, and a new fire alarm panel, sprinkler system, and water storage tank and pump will be installed.
51	Anchorage	Spring Hill Elementary School Intercom/Clocks	This project reimburses the district for funds expended to replace and upgrade the clock and intercom system at the 50,160 square foot facility built in 1985. This project is complete.
52	Southwest Region	Aleknagik K-12 School Renovation	This project provides for renovation of the 13,892 square foot school built in 1982. The scope of this project includes exterior envelope energy efficiency upgrades of windows, insulation, and roofing; replacement of interior doors, finishes, including the gym floor, and lighting fixtures; as well as code upgrades to HVAC and fire protection systems.
53	Kake City	Exterior Upgrades - Main School Facilities	This project provides for rehabilitation of building envelope finishes of the facilities totaling 75,900 square feet, built between 1973 and 2004. Project scope includes repair of siding and trim, prep and paint of exterior surfaces, repair of concrete siding joints, and replacement of flashing and gutters, with extension of roofline over main entry.
54	Mat-Su Borough	Districtwide Energy Upgrades Phase 2 Windows and Lighting	This project will increase energy efficiency at Butte Elementary, and Palmer High School by replacing outdated, inefficient systems with more efficient, sustainable systems. These improvements would include, but not be limited to, light fixtures, windows, door insulation, Variable Frequency Drive (VFD) controls and modifications to the digital control systems.
55	Kake City	Kake High School Gym Floor and Bleacher Replacement	This project provides for replacement of existing flooring and bleachers at the gymnasium of the 53,100 square foot facility built in 1973. Project scope includes subfloor prep, hazardous material testing, and abatement as needed.
56	Lower Yukon	Scammon Bay K-12 School Siding Replacement	This project will upgrade the exterior of the 44,060 square foot facility built in 2005. The scope of work includes replacing the existing vinyl siding with metal siding, upgrading exterior lighting to LED, and replacing exterior doors to allow for a key card security feature.

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57	Copper River	Glennallen Voc-Ed Facility Renovation	This project will renovate the 10,000 square foot vocational education facility built in 1995 with 960 and 1,664 square foot additions built in 1997. The project addresses civil/site, architectural, mechanical, and electrical systems. The scope of work includes replacement of damaged roofing, siding, and window flashing; seismic restraints for fuel tank, equipment, and piping; extension of DDC system to facility; installation of LED lighting; and upgrade fire alarm system with additional fire alarm devices.
58	Lower Kuskokwim	Akiuk Memorial K-12 School Renovation, Kasigluk-Akiuk	This project renovates the 19,488 square foot school built in 1995 and associated outbuildings. Major systems will be addressed, including architectural, civil, structural, mechanical, and electrical. The scope of work includes installation of fire suppression system; upgrade of the lighting, DDC, ventilation systems; replacement of fire alarm system, boilers, day tank, flooring and finishes; and conformance to ADA standards. Hazardous material abatement is included.
59	Southeast Island	Port Alexander K-12 School Domestic Water Pipe Replacement	This project provides for water pipe replacement and upgrades in the 4,100 square feet of facilities built in 1980 and 1985. The scope of work includes removal and replacement of contaminated domestic water lines.
60	Lower Yukon	Ignatius Beans K-12 School Marine Header Pipeline	This project provides for replacement of underground fuel lines and a marine header serving a 46,268 square foot facility built in 1992, with additions in 1994, 1997, and 2010. Scope of work includes approximately 1,600 linear feet of underground fuel line and upgrades to the tank farm.
61	Southeast Island	Thorne Bay K-12 School Underground Storage Tank Replacement	This project provides for removal of two underground fuel storage tanks, remediation allowance of 150 cubic yards of soil, and installation of two 2,000 gallon double-wall above ground fuel storage tanks with pad and fenced enclosure.
62	Iditarod Area	Blackwell School HVAC Control Upgrades, Anvik	This project replaces the failed 24-volt HVAC controls at the 8,240 square foot facility original to the building built in 1979. Project will also repair ventilation system and install power conditioner.
63	Yupiit	Tuluksak K-12 School Water System Upgrade	This project will install a water system for the 42,404 square foot facility built in 2004 for drinking water and fire suppression needs. The scope of work includes establishing an onsite well, installation of a water treatment module, water storage, and associated plumbing.
64	Southeast Island	Port Alexander & Thorne Bay K-12 Schools Roof Replacement	This project provides for two roof replacements at facilities in Port Alexander and Thorne Bay totaling 43,236 square feet. The scope of work includes removal and disposal of the existing roof, repair and replacement of damaged structural areas, installation of new underlayment and shields, and installation of new roof system, flashing, and gutters.
65	Lower Yukon	LYSD Central Office Renovation	This project provides for the renovation of the 8,100 square foot LYSD Central Office built in 1981 and the 1,749 maintenance garage built in 1982. Major systems upgraded will include installation of a 20,000 gallon water tank and replacement of the furnace and circulation pumps, exterior envelope, interior and exterior doors, windows, floor finishes, lighting, auxiliary generator, exterior stairs, , and an alarm system.
66	Iditarod Area	David-Louis Memorial K-12 School Roof Replacement, Grayling	This project will install a new roofing assembly to replace the failed roof at the 25,413 square foot facility built in 1987.
67	Mat-Su Borough	Districtwide Elevator Upgrades	This project replaces elevators at 3 high schools, 3 middle schools and 5 elementary schools built between 1964 and 1985.

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68	Mat-Su Borough	Roof Replacement, 3 Schools	This project will replace the roofing systems at a 32,470 square foot school built in 1964 with additions in 1971 and 2000, a 30,000 square foot school built in 1995, and a 120,000 square foot school built in 1988. Scope of work includes removal of the paver-style roofing system and installation of an insulated membrane roofing system.
69	Lower Yukon	Kotlik & Pilot Station K-12 Schools Renewal and Repair	This project will renovate two 40,047 and 46,065 square foot K-12 schools built in 2002. Scope of work includes partial replacement of windows and exterior door hardware; installation of a key card access system and an addressable fire alarm; and upgrades to the DDC system. Scope of work at Kotlik also includes replacement of building skirting.
70	Yupiit	Mechanical System Improvements, 3 Schools	This project provides for replacement of the DDC system and installation of a hybrid electric water heater, heat pump, and piping to eliminate the need for the boiler to heat potable water in three schools ranging from 29,650 to 42,404 square feet and built between 2004 and 2005.
71	Lower Yukon	Sheldon Point K-12 School Exterior Repairs, Nunam Iqua	This project will upgrade the siding of the 20,530 square foot facility built in 2008. Scope of work includes removal of existing vinyl siding and installation of metal siding.
72	Lower Yukon	Security Access Upgrades, 6 Sites	This project provides for security access improvements at six K-12 school sites. Key card access systems and intrusion alert systems with infrared and/or motion detection will be installed.