

**HB**

**364**

**HOUSE COMMITTEE REPORT**

(7)

Date Referred to Committee: January 30, 2002

FURTHER REFERRALS: Finance

Date of Committee Action: 18 APRIL 02

The STATE AFFAIRS Committee considered:

HB 364

HOUSE BILL NO. 364

STATE FACILITIES

"An Act relating to capital projects for deferred maintenance, replacement, modification, and expansion of state facilities; relating to leases to secure financing for those projects; relating to the issuance of certificates of participation to finance those projects for certain capital facilities owned by the state; giving notice of and approving the entry into, and the issuance of certificates of participation in, lease-financing agreements for those projects; and providing for an effective date."

Recommends it be replaced with CS HB 364 (STA) [  Same Title [  New Title  
 For Senate Bills with new title: [  Technical Title [  New Title: HCR \_\_\_\_\_

- [  ] attach amendments
- [  ] add new referral to \_\_\_\_\_ Committee
- [  ] Letter of Intent \_\_\_\_\_ Committee

List of Abbrev. for Dep'ts:  
 ADM  
 CED  
 COR  
 CRT  
 EED  
 DEC  
 DFG  
 GOV  
 HSS  
 LAA  
 LAW  
 LWF  
 MVA  
 DNR  
 DPS  
 REV  
 DOT  
 UA

<u>NEW FISCAL NOTES</u>				
*For Chief Clerk's Office Use Only				
List by Dept(s):	*FN#	Fiscal	Indet.	Zero
REV		✓		

<u>PREVIOUS FISCAL NOTES</u>				
List by Dept(s):	FN#	Fiscal	Indet.	Zero

<u>Signing with recommendations</u>	Printed Last Name	DP	DNP	NR	AM
<i>Rogay Wilson</i>	Wilson	✓			
<i>Hannah Crawford</i>	CRAWFORD	✓			
<i>Quemette James</i>	STEVENS	X			
<i>Hugh Fite</i>	JAMES	X			
	Fite			✓	
Chair: <i>John Coffey</i>	Coffey			✓	
Chair:					

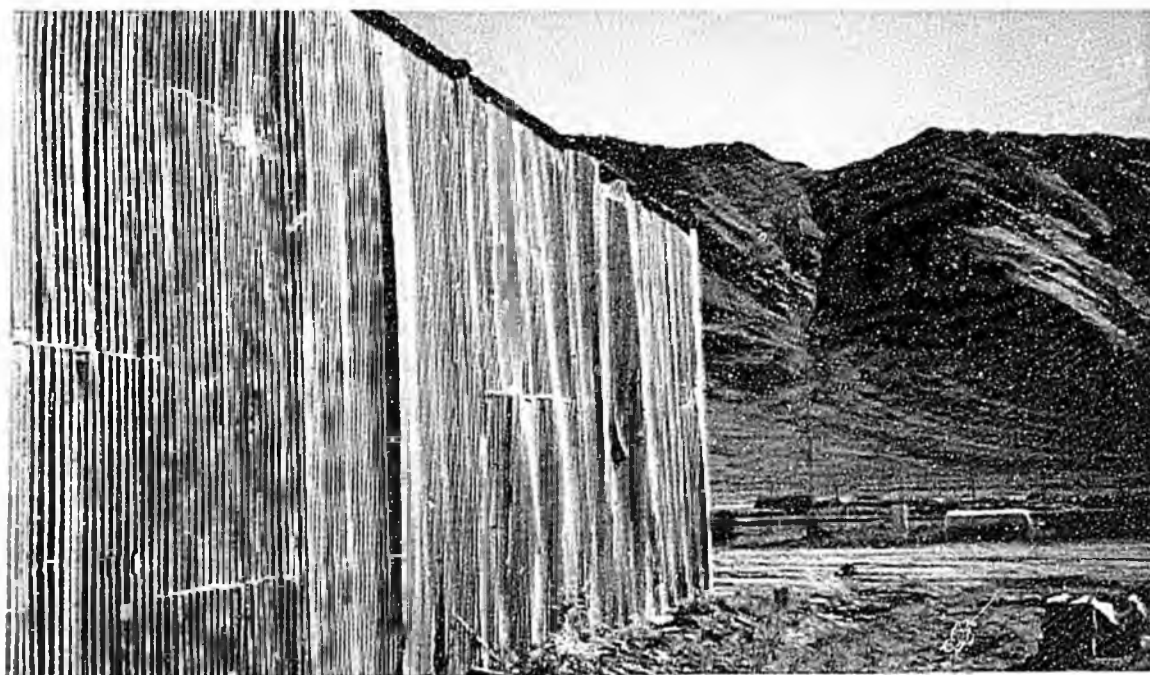


# State of Alaska

Department of Transportation and Public Facilities

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## Maintenance Station Replacements



(Chandalar Maintenance Station on the Dalton Highway - South Wall Settlement Damage)

February 26, 2002

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CHAN DALAR  
MAINTENANCE  
STATION

## **Chandalar Maintenance Station Executive Summary**

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After the collapse of the Department's maintenance structures at Cascade Station on the Glen Highway and 7-Mile Camp on the Dalton Highway, Commissioner Perkins ordered structural evaluations of suspect buildings. From the initial evaluations, the Chandalar building was found to be unsafe for occupancy and was vacated and demolished in the summer/fall of 2001.

Without an alternative for shop space and warm storage of equipment, a temporary structure was purchased and erected in the fall of 2001. This double walled tent-like structure has a plastic skin, with an energy rating of R-15, which results in very high heating costs. Without adequate ventilation and because of the structure's skin, this facility cannot be used for welding and grinding. These tasks must be performed at the nearby Alyeska Pipeline shop, which has been graciously loaned to the department for the winter.

The replacement building will be the same size as the original building: 10,800 square feet. The facility will provide warm storage and a maintenance shop for the heavy equipment used to maintain the Atigun Pass, Milepost 210 to Milepost 284 of the Dalton Highway, and the Chandalar Airport. The replacement structure is estimated to cost \$5,659,000: \$456,800 to design and \$5,202,200 to construct. The Federal Aviation Administration (FAA) has authorized \$850,000 from the Airport Improvement Program (AIP) for the project, or 15% of the project.

The Chandalar Maintenance station is critical to the mission of keeping commerce flowing to the North Slope and keeping the Dalton Highway passable year round. Without proper vehicle maintenance and warm storage at Chandalar, road maintenance service levels would reduce and weather and avalanche related road closures would increase. Shifting crews and equipment to camps north and south of Chandalar would result in longer response times and higher maintenance costs.

## Fast Facts

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### Dalton Highway Chandalar Maintenance Station

- Location: Dalton Highway, MP 239
- 64 Miles North of the Coldfoot Maintenance Station
  - 67 Miles South of the Sag River Maintenance Station
- Operations: Dalton Highway, MP 210-284 (74 miles)
- Heavy snow, wind & avalanche area
  - Includes Atigun Pass and Chandalar Airport
- Buildings: Temporary Facilities
- 72'x120' "Alaska Cover-All" tent-like building
  - Temporary use of 60'x100' Alyeska building
- Staff/Equip: 4 Operators, 1 Mechanic
- 2 Graders with front V plows, scarifiers, rollers
  - 2 Loaders, one with snow blower attachment
  - 8 yd. dump truck with plow
  - D-8 Cat
  - 2 Semi tractors, w/ lowboy, belly dump & 2 water tankers
  - Boiler truck
  - Flatbed with avalanche gun
  - Mechanic's truck with hoist

## **Chandalar Maintenance Station Narrative**

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The Dalton Highway is critical to development and operation of the North Slope oil fields and the Trans-Alaska Pipeline. The 5-mile segment through 4,800' high Atigun Pass is the most difficult part of this highway to maintain. There the highway traverses a steep 2,000' high mountain face with over 40 avalanche chutes. The area is subject to severe wind conditions with drifting snow in winter and torrential rainstorms in the summer. Visibility is often poor with fog and whiteout conditions.

Commissioner Perkins ordered a structural evaluation of all suspect buildings, including the Chandalar Equipment Shop and Warm Storage Building. The structural evaluation concluded that the existing building was not capable of resisting wind and snow loads without danger of complete failure. In addition, the floor slab had cracked and settled due to thawing permafrost. Settlement and age had also seriously damaged the mechanical and electrical systems. The building was vacated and razed in fall 2001.

### **Current Temporary Operations**

Continued operations at Chandalar are essential. In order to continue operations, a 72' x 120' temporary structure was purchased and erected at Chandalar in the fall of 2001. This structure is made of a plastic type skin that has an extremely high heating demand. This tent-like building is only suitable for equipment warm storage. There is no ventilation system; therefore no welding or engine idling is performed indoors. There is also no foundation. The building is held to the gravel pad with cable anchors.

The department obtained permission from Alyeska Pipeline Service Company to use one of their buildings to get through this winter season. This 60'x100'

building is being used as a temporary shop for equipment servicing and repairs. It houses the tire equipment, compressor, press, welder, grinder and other tools. It is also used for storage of parts, filters, oil and other lubricants.

The Chandalar Camp maintains one of the most difficult stretches of road in Alaska. The pass is very steep with grades up to 12% over its five-mile route. This section of road can drift closed in an hour. Avalanches occur frequently; and whiteouts and extreme cold are common.

- Response Time

Inadequate maintenance facilities at Chandalar will decrease road maintenance, lower service levels and increase weather related road closures. Timely maintenance is essential, especially in the Atigun Pass area. The nearest maintenance stations are 64 miles south at Coldfoot and 67 miles north at Sag River. Crews are at least 1 1/2 hours from the pass and cannot respond timely to the frequent avalanches, drifting and heavy storms. Their response will be more difficult because their road clearing will be done in an uphill direction on the very steep grades. Equipment kept at Chandalar must also be kept warm to provide adequate response time.

- Productivity

Without the current temporary facilities at Chandalar, equipment service and repairs would have to be done in the shops at Coldfoot or Sag River. Shop facilities are also needed to change attachments and replace cutting edges. Only very light duty equipment service and repair can be done outdoors under the harsh climatic conditions in the area. Moving equipment back and forth is a major expense. Equipment left parked outdoors at Chandalar would be subject to damage from cold starts and would require time to warm up. Time would also be spent removing caked on snow and ice before equipment could be used.

Operators responding from Coldfoot or Sag River would also have their productivity cut by the three hours of extra travel time to and from the area. The added cost in manpower and equipment more than offsets the cost of maintaining facilities at Chandalar.

- Equipment Storage

Regardless of location, warm storage and shop facilities are needed for the equipment currently at Chandalar. The warm storage facilities at Coldfoot and Sag River are not adequate to house this equipment. Additional facilities are needed.

Current operations are dependent on a lightweight temporary shelter and temporary use of a building owned by Alyeska. Additional facility investments are needed to provide permanent facilities to house and service our equipment.

### **Description of New Facility**

#### **A. General Description**

The new building will provide the Chandalar Maintenance Station with a shop designed and equipped to perform all maintenance and repair work on their heavy equipment and to provide a warm storage area for DOT's vehicles and equipment used for highway and airport maintenance and snow removal operations. With minor modifications for size and site considerations, this design will be used as a standard for the construction of heavy maintenance/warm storage shops in the future.

#### **B. Site Selection**

The new Maintenance Garage will be constructed approximately 1000 feet to the south of the existing facility. A geotechnical site investigation conducted in October of 2001 determined that the site is preferable based on soil boring

samples. The property is currently owned by the Bureau of Land Management (BLM) and a property transfer is underway.

#### C. Building Design Criteria

The design of the Maintenance Garage will comply with applicable building codes including any amendments enforced by local jurisdictions and governing authorities. Design criteria will meet with the approval of State agencies while conforming to Federal requirements. The garage design will meet the provisions of the following references:

1. International Building Code, 2000 Edition
2. Uniform Fire Code, 2000 Edition
3. Americans with Disabilities Act, ADA Accessibility Guidelines for Buildings and Facilities
4. National Fire Protection Association (NFPA) 101, Life Safety Code

#### D. Building Layout

The new shop building will have 10,800 SF of floor space, which is the same as the old facility. The floor configuration will be centered on a 20 Ft wide office and storage/equipment area with two 25 Ft wide by 90 Ft long drive-through equipment bays along each side. Structural building columns are confined to perimeter wall locations allowing free access between adjacent bays. On the shop side of the facility there is an overhead bridge crane to assist with lifting operations involving heavy equipment. There is to be a welding table and lube station in this area as well. The opposite side of the building is a mirror image with another 50 Ft by 90 Ft area to be used as an equipment warm storage garage. The partitioned area between the garage and shop will house the mechanical room, parts storage, battery room, toilet, and office/break room. A small vehicle bay is located at the end of this area.

Stairs will allow access to a mezzanine area located 12 Ft above the grade level floor. The Mezzanine will be utilized for miscellaneous storage and to house mechanical air handling equipment. There will be gated openings through the mezzanine wall to allow forklift access for the handling of bulk materials and over-sized items. Man doors for individual rooms and along the building perimeter will be located and configured to comply with building code exiting requirements.

#### E. Equipment

The shop and garage areas will have central trench drains between equipment bays with an oil separator and wastewater holding tank. The shop will be equipped with a 7 1/2 ton capacity overhead traveling bridge crane, a floor mounted vehicle lift, compressed air, ventilation systems for welding and vehicle exhaust, deep sink, water hose bibs, pressure washer, emergency eye wash/shower, petroleum lube station, HazMat storage locker, and welding table. Additional equipment for this facility will include a workbench, steel shelving units, and portable fire extinguishers.

#### F. Materials

The building materials for the new maintenance facility shall include the following items:

##### 1. Exterior Walls:

Preformed insulated wall panels with a factory finished gage metal exterior face, interior liner panel, and foamed-in-place insulation core. A protective 8 Ft high plywood wainscoting will be installed at interior wall surfaces in the shop and garage areas.

2. Interior Partitions:

Metal studs w/ gypsum wallboard sheathing each side and fiberglass batt insulation as required to limit thermal conductivity and sound transmission.

3. Ceilings:

The office and toilet room shall have drop ceilings of gypsum board construction. The mechanical rooms, battery room, and parts room will be open to the floor framing above. The shop/garage areas and mezzanine will be open to the structural framing above.

4. Roofing:

The roof shall be designed with a standing seam metal roof over rigid board insulation with gypsum board and vapor barrier over galvanized steel roof deck exposed to view from below. The metal roof will have a minimal pitch to limit building height and reduce wind resistance.

5. Doors & Windows:

The doors and frames shall be of hollow metal construction, insulated at exterior locations and fire rated as required at interior rooms. Doors along eave end walls shall have canopies to protect personnel from falling ice and snow. Door openings to allow vehicle access into the shop and garage areas shall be 18 Ft wide by 14 Ft high, insulated steel sectional overhead doors with thermal glazing, electric operators with push button stations and remote operators, and a backup manual chain hoist. Pedestrian pass doors in overhead doors may be used in limited locations to satisfy building code exiting requirements and User Group requests. Fixed pane, fire-rated glazing in the office area to view shop and garage activities is optional. There are no exterior windows scheduled for installation in this building.

## 6. Floors:

The floors for the garage and shop areas shall consist of reinforced concrete slabs-on-grade, sloped towards a central trench drain, and finished with an epoxy coating. The mezzanine floor will consist of a concrete slab over metal decking to provide a strong and durable surface of fire resistant construction for storage applications and equipment support.

## G. Foundation

The garage building foundation will be constructed of cast-in-place reinforced concrete. The design will be on individual pilasters centered over isolated spread footings to support column loads at structural building frame locations. The footings will be designed to resist applicable load combinations involving building dead loads, live loads, collateral loading, along with snow, wind and seismic loads calculated for this specific building site. A perimeter grade beam will run between pilasters to tie foundation elements together in resisting lateral forces and provide support for possible settlement. The shop and garage floor slabs will be designed to resist large concentrated loads and reinforced at designated locations to support steel tracked equipment. Slab reinforcing will receive special detailing to limit cracking and transfer wheel loads across control joints. The facility foundation design is complicated by the installation of a mechanical freeze-back system under the building. The refrigeration piping, insulation, and containment liners will insure foundation stability by keeping the ice-rich soils underlying this site from thawing.

## H. Environmental Issues

An environmental assessment is scheduled to be completed this spring, and will determine if any environmental mitigation is necessary for this project. Due to the nature of the activities at the maintenance yard, it is expected that there will be some level of environmental remediation required.

## Chandalar Maintenance Station Project Schedule

Milestone	Start Date	Finish Date
Design	December 1, 2001	May 14, 2002
Bid Advertisement	May 15, 2002	June 12, 2002
Bid Award	June 12, 2002	July 3, 2002
<b>If Funding is available</b>	<b>July 1, 2002</b>	
Construction	July 15, 2002	December 15, 2002
<b>If Funding is available</b>	<b>January 2003</b>	<b>(HB365 and SB262)</b>
Construction	June 2003	November 2003

Given the arctic environment in which this project will be constructed, it is imperative that the project continues based on the first construction schedule shown above. If the project does not receive additional supplemental design funding by mid to late March, the design will stop at the 65% stage. Delayed receipt of construction funding could postpone completion until 2004 or beyond.

# Chandalar Maintenance Station Summary of Design and Construction Estimated Costs

## Design

Conceptual Design	\$63,800
Design Consultant	321,000
DOT&PF Design Management	59,000
DOT&PF ICAP	<u>13,000</u>
<i>Subtotal</i>	\$456,800

## Construction

Construction Contract	\$4,242,000
Change Order Reserve	420,000
DOT&PF Construction Management	287,000
Design Consultant & Special Inspections	82,000
DOT&PF ICAP	<u>171,000</u>
<i>Subtotal</i>	\$5,202,000

FAA Funding	<u>(850,000)</u>
<b>Project Total</b>	<b>\$4,808,800</b>

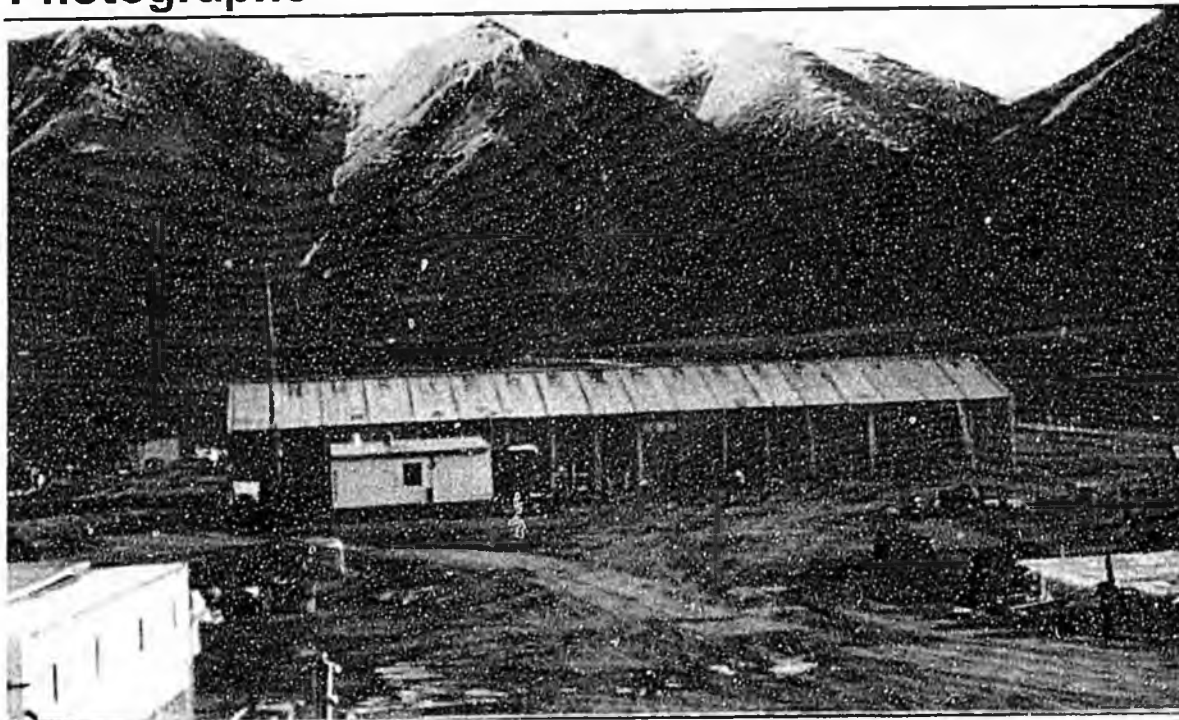
## Environmental Remediation

Remediation of Existing Building Site	\$TBD
<b>Total</b>	<b>\$TBD</b>

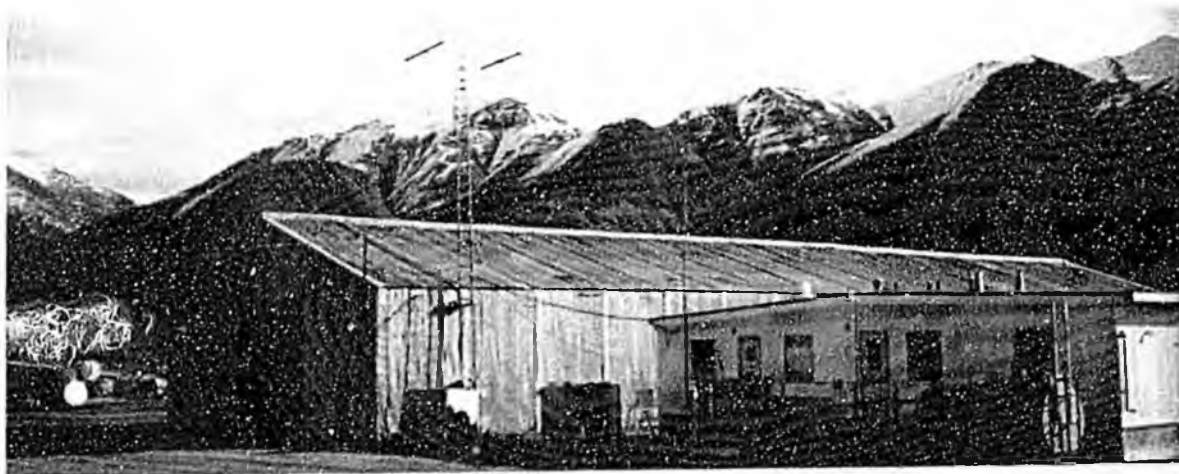
## Summary of Temporary Operating Costs

Construction of Temporary Shelter	\$127,800
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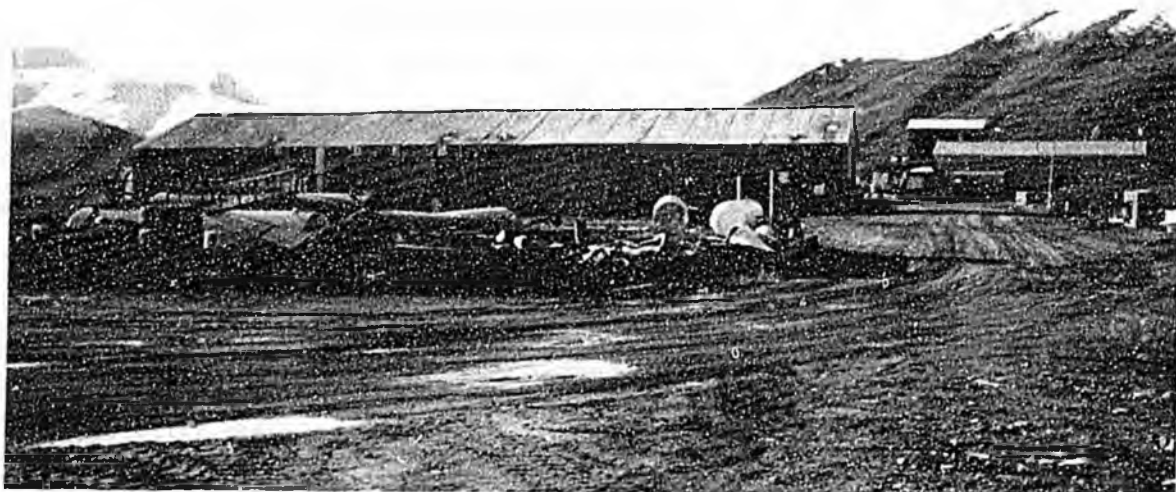
## Chandalar Maintenance Station Photographs



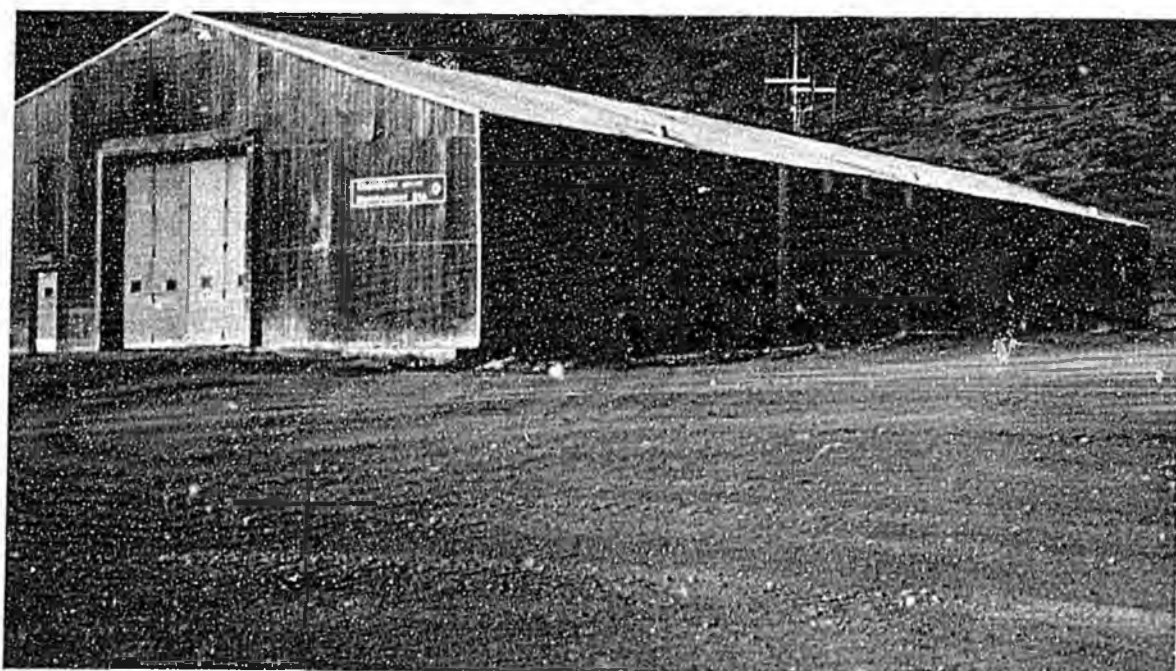
*Photograph One: Maintenance Shop as viewed from the South*



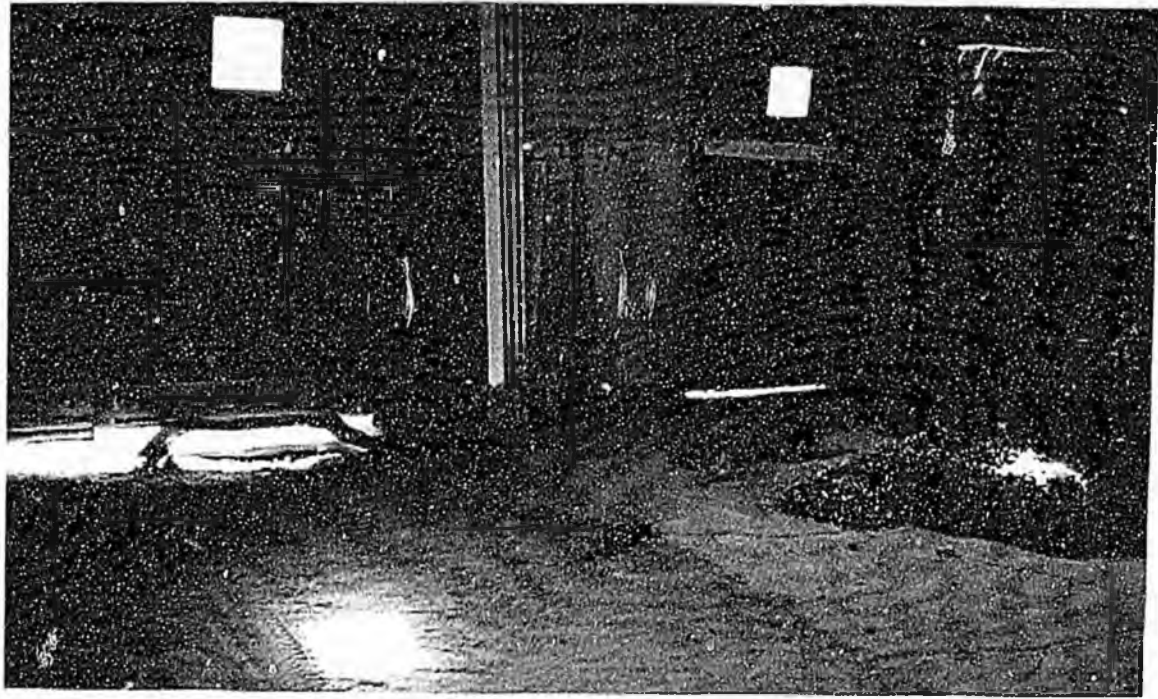
*Photograph Two: Maintenance Shop as viewed from the Southwest*



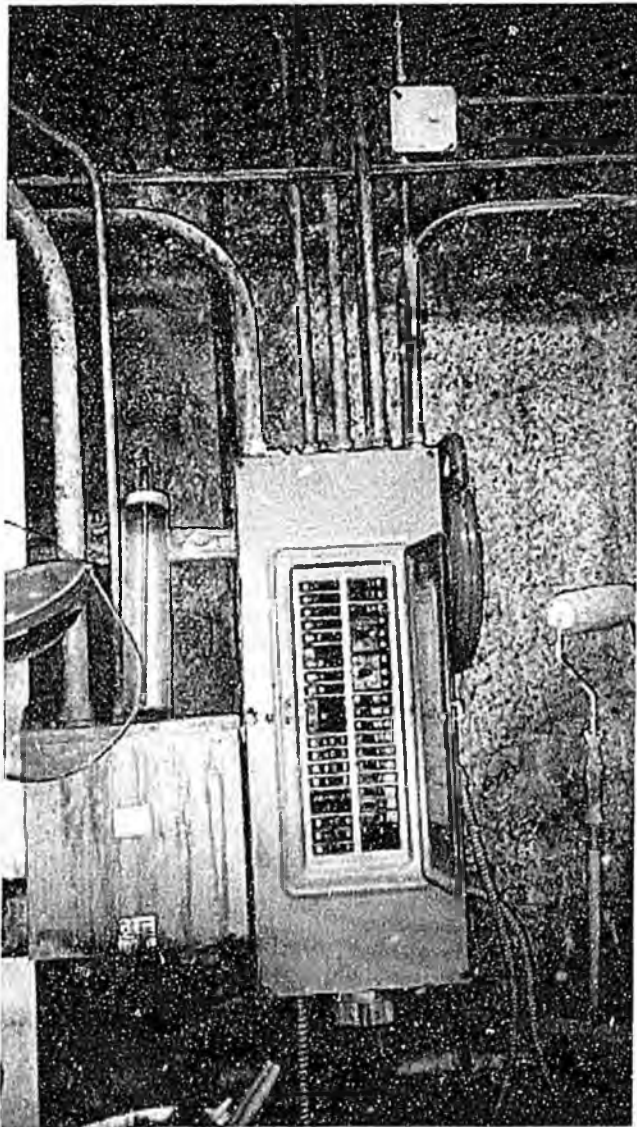
*Photograph Three: Maintenance Shop as viewed from the North*



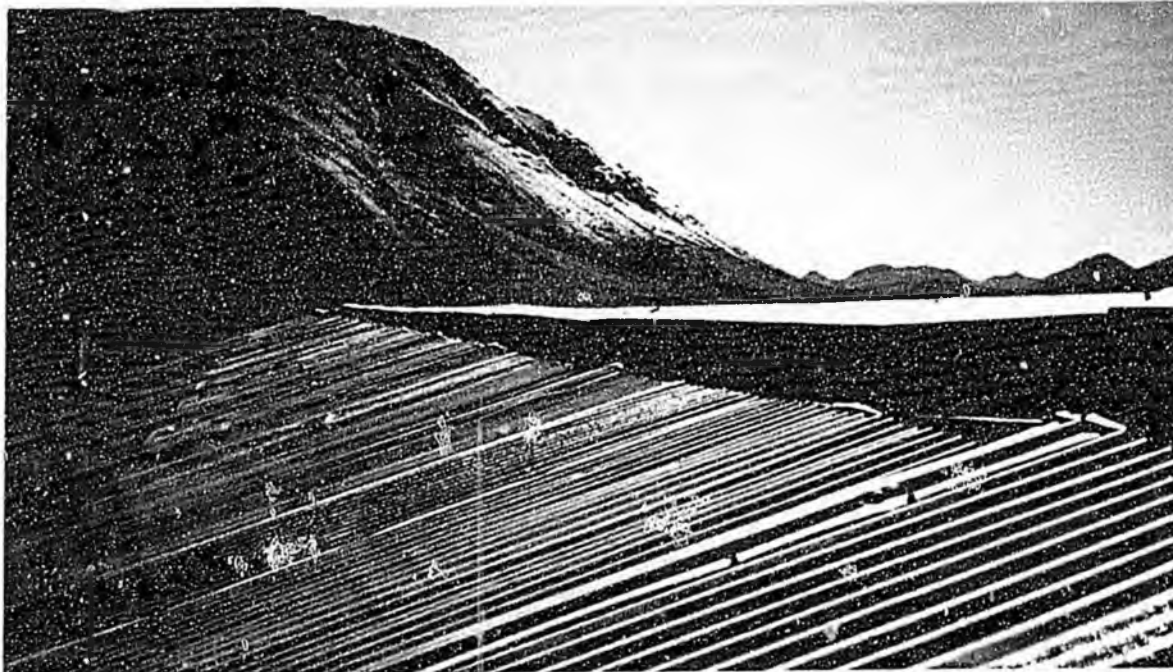
*Photograph Four: Maintenance Shop as viewed from the Northeast*



***Photograph Five: East End Foundation Settlement***



***Photograph Six: Water Stains on Wall and Electrical Panel***



*Photograph Seven: Roof panel corrosion and separation.*



*Photograph Eight: Floor slab separation and settlement.*

EAST FORK  
MAINTENANCE  
STATION

## **East Fork Maintenance Station Executive Summary**

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Structural evaluation of the Department of Transportation and Public Facilities' East Fork Maintenance Building deemed the structure unsafe, and following a directive from the Commissioner, it was vacated during the summer of 2001. The Northern Region will initiate replacement structure design upon receipt of project funding. There is no warm storage building in the immediate area for housing the crews and equipment. The maintenance work is currently being accomplished at the Cantwell Station, which is located 28 miles north on the Parks Highway.

The existing East Fork Maintenance Station is located in a heavy snow area and receives several times the amount of snow compared to Cantwell. Due to these severe winter conditions and the steep grades within the areas maintained by this station, it is critical that people and equipment be located at East Fork to be able to react quickly to keep the highway clear of snow and ice and safe for the traveling public.

The project will include a maintenance shop, generator building, salt/sand building, fueling station, mobile home pads, water and septic systems. The existing maintenance shop is located on land owned by the local native corporation and is in a flood plain of the Chulitna River. The new facility will be constructed approximately three miles to the south of the existing site to improve telephone and radio communication and get out of the floodplain. The design of the maintenance shop will be very similar to that for Willow, and will become a standard for future warm storage facilities.

The facility design cost is estimated at \$595,300 and construction at \$5,739,800. This does not include demolition of the existing buildings or site remediation costs, which will be determined at a later date when more information on the extent of remediation required is known.

## Fast Facts

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### East Fork Maintenance Station

Location: MP 185 Parks Highway

- 64 miles north of the Chulitna Maintenance Station
- 25 miles south of the Cantwell Maintenance Station

Operations: Parks Highway, MP 156 – 194 (38 Miles)

- Very heavy snow area. Normally exceeds 20' annually
- Includes 3 major hills requiring frequent sanding

Buildings:

- Two 30-year-old modular metal buildings with treated timber foundations
- 40' x 60' equipment shop and warm storage
- 40' x 60' housing electrical generators and sand storage area

Staff/Equip:

- Four operators
- One front-end loader with a snow blower attachment
- One grader with a snow wing attachment
- Two dump trucks with sand spreaders, belly blades, front plows and snow wings.

## **East Fork Maintenance Station Narrative**

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In 2001, after the collapse of structures at Cascade on the Glenn Highway and at 7-Mile Camp on the Dalton Highway, Commissioner Perkins ordered a structural evaluation of all suspect buildings, including the East Fork equipment shop and sand storage building. The structural evaluation concluded that the existing buildings were not capable of resisting wind and snow loads without danger of complete failure.

The existing buildings are beyond repair. They are pre-fabricated metal modular units, engineered for temporary use. They were not designed or constructed to withstand the snow, wind and seismic loads prevalent in the area. The structural components exhibit substantial evidence of stress flexing and splaying. These buildings have a high danger of collapse under the right loading conditions. In addition, the heavy snow loads have caused the metal panels to separate, resulting in moisture leaks, cold air infiltration and very inefficient heating. The buildings have only one inch of compressed fiberglass insulation, which adds to the heating demand.

### **Current Temporary Operations**

Following closure of the East Fork Station, the operators and equipment were relocated to the Cantwell Station. Six miles of road maintenance were transferred to the Chulitna Station, where an equipment operator was hired for the increased work. In addition, a sand storage area was rented at Igloo (MP 188), the closest location with electricity where the sand loader can be plugged in.

This significantly reduces the effectiveness and efficiency of our maintenance in this remote area. This will result in more frequent road closures, increased snow

and ice on the roadway and a reduction in travel speeds and safety for motorists and truckers. Maintenance and operations are affected in a number of ways:

- Travel Time

Additional overtime is needed as well as an additional operator. Equipment and operators must travel greater distances to reach the area. The extra travel effectively reduces the time spent on maintenance by 10%-15% per shift. This wasted time is reflected in labor and equipment costs.

- Response Time

Even with the additional overtime and additional operator, the level of service is reduced. The East Fork area has a microclimate that is quite different from Cantwell. The East Fork area gets much more snow. It can be snowing hard at East Fork and clear at Cantwell. The East Fork station had several trailer pads where the crew lived. When a storm hits, they could immediately get out on the road and begin clearing snow before it turned into cake ice that is much harder to remove. Without a presence at East Fork, it takes more time to respond.

- Productivity

The current temporary operation is providing a lower level of service to the traveling public with no advantage in cost. Additional costs for labor and equipment more than offset the cost of running the camp. In any event, additional facility investments are needed to house our equipment. It is only logical that this investment be made at a location that will reduce inefficiencies and at the same time improve level of service.

- Sand Storage

We have relocated our sand stockpile to Igloo, the nearest point in the East Fork area where electricity is available to plug in the sand loader. It is critical that the sand stockpile be kept in close proximity to the areas where it is

used, for both reasons of efficiency and response time. It is impractical to make a fifty mile round trip to get a load of sand. A building is needed to keep the stockpile and loader out of the snow.

- Equipment Storage

Additional warm storage facilities are needed. The warm storage at Cantwell cannot house the additional equipment transferred from East Fork. Warm storage is needed to thaw out the vehicles and remove the buildup of ice on hydraulic lines and other moving parts. A warm shop is also needed to service and repair equipment, change attachments and replace cutting edges.

## **Description of New Facility**

### **A. General Description**

The East Fork maintenance garage is primarily a warm storage area for DOT's heavy equipment and vehicles used for highway maintenance and snow removal operations. The garage area is also used for minor repair work to vehicles and seasonal change-out of equipment components where an overhead crane is required. The basic layout and construction type of this facility will be very similar to that of the Willow maintenance garage. With minor modifications for size and site considerations, this design will be used as a standard for the construction of warm storage shops in the future.

### **B. Site Issues**

The existing site has significant problems. The current maintenance station site is located in the bottom of a narrow valley in a river floodplain, shielded by hills from radio and cellular communications, which results in a lack of reliable communications with mobile equipment. The site is also located along an S-curve in the highway, and limited sight-distance presents a serious hazard for vehicles pulling onto the highway. A new site has been identified approximately three miles to the south, located on the east side of

the Parks Highway on Department of Natural Resource (DNR) lands. A land transfer from DNR to DOT&PF has been initiated.

#### C. Building Design Criteria

The design of the maintenance garage will comply with applicable building codes including any amendments enforced by local jurisdictions and governing authorities. Design criteria will meet with the approval of state agencies while conforming to federal requirements. The garage design will meet the provisions of the following references:

1. International Building Code, 2000 Edition
2. Uniform Fire Code, 2000 Edition
3. Americans with Disabilities Act, ADA Accessibility Guidelines for Buildings and Facilities
4. National Fire Protection Association (NFPA) 101, Life Safety Code

#### D. Building Layout

The central feature of the maintenance garage is the 6,000 SF vehicle storage area. This open area is 60 Ft wide by 100 Ft long with two overhead doors at each end creating a doublewide, drive-through equipment bay. The 22 Ft eave height allows clearance above the garage floor for a bridge crane to assist with lifting operations involving heavy equipment. A 16 Ft wide by 80 Ft long building width extension allows for an office/break room, a workshop, parts storage area, toilet and shower room, and mechanical room. The garage area will be separated from the remaining support areas with a fire rated wall. Stairs will allow access to a mezzanine area above these grade level rooms, which will be utilized for miscellaneous storage and to house mechanical air handling equipment. There will be gated openings through the mezzanine wall to allow forklift access for the handling of bulk materials and over-size items. Man doors for individual rooms and along the building

perimeter will be located and configured to comply with building code exiting requirements.

#### E. Equipment

The garage will have a central trench drain between equipment bays with an oil separator and wastewater holding tank. The garage will be equipped with a 5 ton capacity overhead traveling bridge crane, compressed air, ventilation systems for welding and vehicle exhaust, deep sink, water hose bibs, pressure washer, emergency eye wash/shower, petroleum lube station, HazMat storage locker, and welding table. Additional equipment for this facility will include a workbench, steel shelving units, shower room lockers, and portable fire extinguishers.

#### F. Materials

The building materials for the new maintenance garage shall include the following items:

##### 1. Exterior Walls:

Preformed insulated wall panels with a factory finished gage metal exterior face, interior liner panel, and foamed-in-place insulation core. A protective 8 Ft high plywood wainscoting will be installed at interior wall surfaces in the garage area. The eave end walls will have a concrete retaining wall that extends 4 Ft above the floor level to protect against the massive build up of snow and ice sliding off the roof. The concrete exterior will provide a durable surface to resist damage from snow removal operations around the building. The concrete wall will be insulated along the inside surface within the building and along the exterior perimeter below grade level.

2. Interior Partitions:

Metal studs w/ gypsum wallboard sheathing each side and fiberglass batt insulation as required to limit thermal conductivity and sound transmission.

3. Ceilings:

The office and toilet/shower room shall have drop ceilings of gypsum board construction. The mechanical rooms, workshop, and storage room will be open to the floor frame above. The garage area and mezzanine ceilings will consist of the prefinished metal liner above the exposed roof framing.

4. Roofing:

The roof shall be designed with a standing seam metal roof over rigid board insulation with a vapor barrier and a prefinished, gage metal liner panel exposed to view from below. The metal roof will have a moderate pitch to encourage snow to slide and assure minimal snow accumulation during the winter. The roof eaves will be extended 3 Ft to insure that sliding snow and ice land clear of the sidewalls.

5. Doors & Windows:

The doors and frames shall be of hollow metal construction, insulated at exterior locations and fire rated as required at interior rooms. The large garage doors shall be 18 Ft wide by 14 Ft high, insulated steel sectional overhead doors with thermal glazing, electric operators with push button stations and remote operators, and a backup manual chain hoist. There will be one window in the office area with a low maintenance vinyl frame and energy efficient triple pane glazing.

## 6. Floors:

The shop floor shall consist of a concrete slab-on-grade, sloped towards a central trench drain, and finished with an epoxy coating. Piping within the slab will provide radiant floor heat. The mezzanine floor will consist of a concrete slab over metal decking to provide a strong and durable surface for storage and equipment support of fire resistant construction.

## G. Foundation

The foundation for the garage building shall be constructed of cast-in-place reinforced concrete. The design will center on individual pilasters centered over isolated spread footings to support column loads at structural building frame locations. The footing will be designed to resist applicable load combinations involving building dead loads, live loads, collateral loading, along with snow, wind and seismic loads calculated for this specific building site. A perimeter grade beam will run between pilasters to tie foundation elements together in resisting lateral forces and provide support for possible differential settlement. The garage floor slab will be designed to resist large concentrated loads and reinforced at designated locations to support steel tracked equipment. Slab reinforcing shall receive special detailing to limit cracking and transfer wheel loads across control joints.

## H. Sand Storage Building

The East Fork Station uses both sand and salt during their winter highway operations. A building is needed to store these materials. A conceptual design for a 40 Ft wide by 60 Ft long sand storage building with a separate 20 Ft wide by 40 Ft long salt storage area was included with the construction cost estimate for this facility. The building uses a cast-in-place concrete wall to retain the bulk materials with a simple pre-engineered metal building resting on top of the walls to keep out rain and snow. There is a concrete

floor slab in the smaller salt storage area. The floor of the sand storage area is to be compacted gravel.

I. Generator Building

Two diesel engine generators will provide prime power for the East Fork Maintenance Station. The building to house these gensets and associated equipment shall be constructed of noncombustible light gage metal framing with gypsum board sheathing and metal roofing and siding. There will be a fire-rated partition wall separating the two generators to isolate and limit damage from fire to a single genset. The building will have a continuous concrete foundation and floor slab. The generators will sit on mat foundations isolated from the floor slab. The building will be designed with adequate clearance around equipment to allow for maintenance and repair operations.

J. Storage Building

A 24 Ft wide by 30 Ft long pre-engineered metal building will be constructed adjacent to the garage for dry, unheated storage. The building will have lights but will not be insulated. Metal roofing and siding will be supported by secondary gage metal purlins and girts over primary structural steel framing. An overhead door and man door will provide access for forklifts and foot traffic. The foundation and floor slab will be cast in a monolithic pour to simplify construction.

K. Environmental Issues

A Phase I Environmental Assessment was completed in December of 2001 for the existing site. The report finds that past on-site activities have released petroleum hydrocarbons and/or hazardous substances to the underlying soil and groundwater. This assessment recommends that a Site Characterization and Interim Removal Action work plan for the property be completed, and that a hazardous material survey of the buildings be completed prior to their

removal. These plans will detail the environmental remediation required for the site.

Environmental remediation is not anticipated for the development of the new site. During site development and construction, preventative measures will be required to be taken for erosion and pollution control.

# East Fork Maintenance Station Project Schedule

Milestone	Start Date	Finish Date
<b>If funding is available</b>	<b>July 1, 2002</b>	
Design	July 1, 2002	January 2003
Bid Advertisement	January 2003	February 2003
Bid Award	February 2003	March 2003
Construction	May 1, 2003	October 31, 2003

Milestone	Start Date	Finish Date
<b>If funding is available</b>	<b>January 2003</b>	<b>(HB365 and SB262)</b>
Design	January 2003	July 2003
Bid Advertisement	July 2003	August 2003
Bid Award	August 2003	September 2003
Construction	October 2003	October 31, 2004

## East Fork Maintenance Station Summary of Design and Construction Estimated Costs

### Design

Conceptual Design	\$62,300
Design Consultant	423,000
DOT&PF Design Management	92,500
DOT&PF ICAP	<u>17,500</u>
<i>Subtotal</i>	<i>\$595,300</i>

### Construction

Construction Contract	\$4,747,000
Change Order Reserve	470,000
DOT&PF Construction Management	240,000
Design Consultant & Special Inspections	94,000
DOT&PF ICAP	<u>188,800</u>
<i>Subtotal</i>	<i>\$5,739,800</i>

**Project Total** **\$6,335,100**

### Environmental Remediation

Phase II Environmental Assessment	\$TBD
Mitigation of Existing Building Site	TBD
Demolition of Existing Buildings	TBD
<b>Total</b>	<b>\$TBD</b>

### Summary of Additional Temporary Operating Costs

FY02 Supplemental - additional equipment operator	\$21,900
FY03 Operating Budget - equipment operator	\$21,900

## East Fork Maintenance Station Photographs

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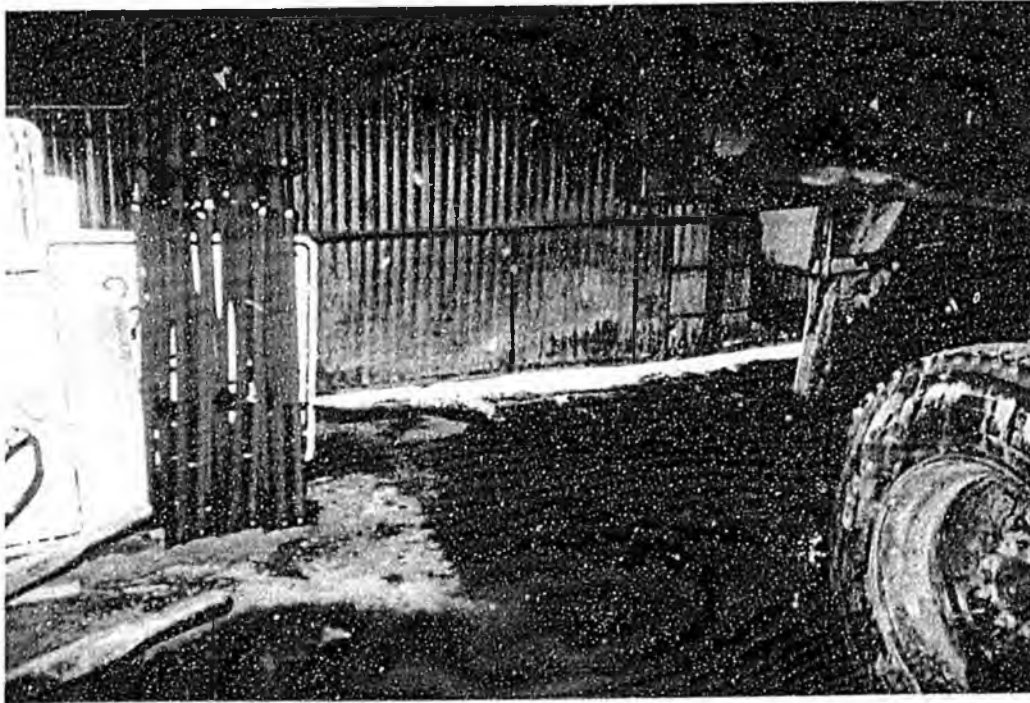


*Photograph One: Maintenance Shop as viewed from the East*

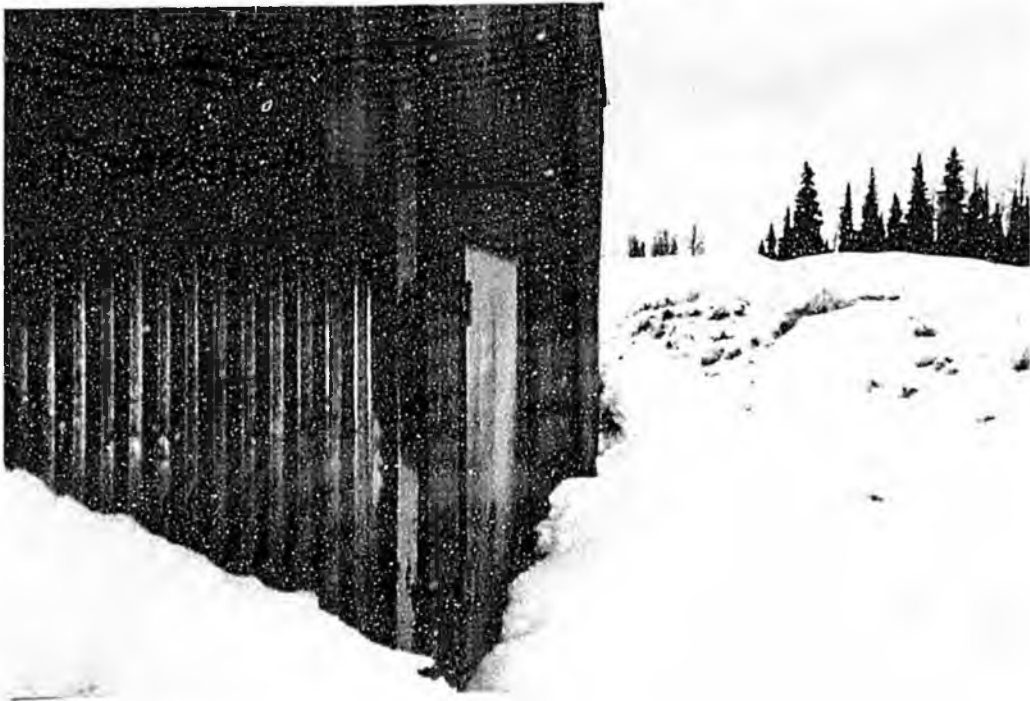


*Photograph Two: Settlement of Foundation*

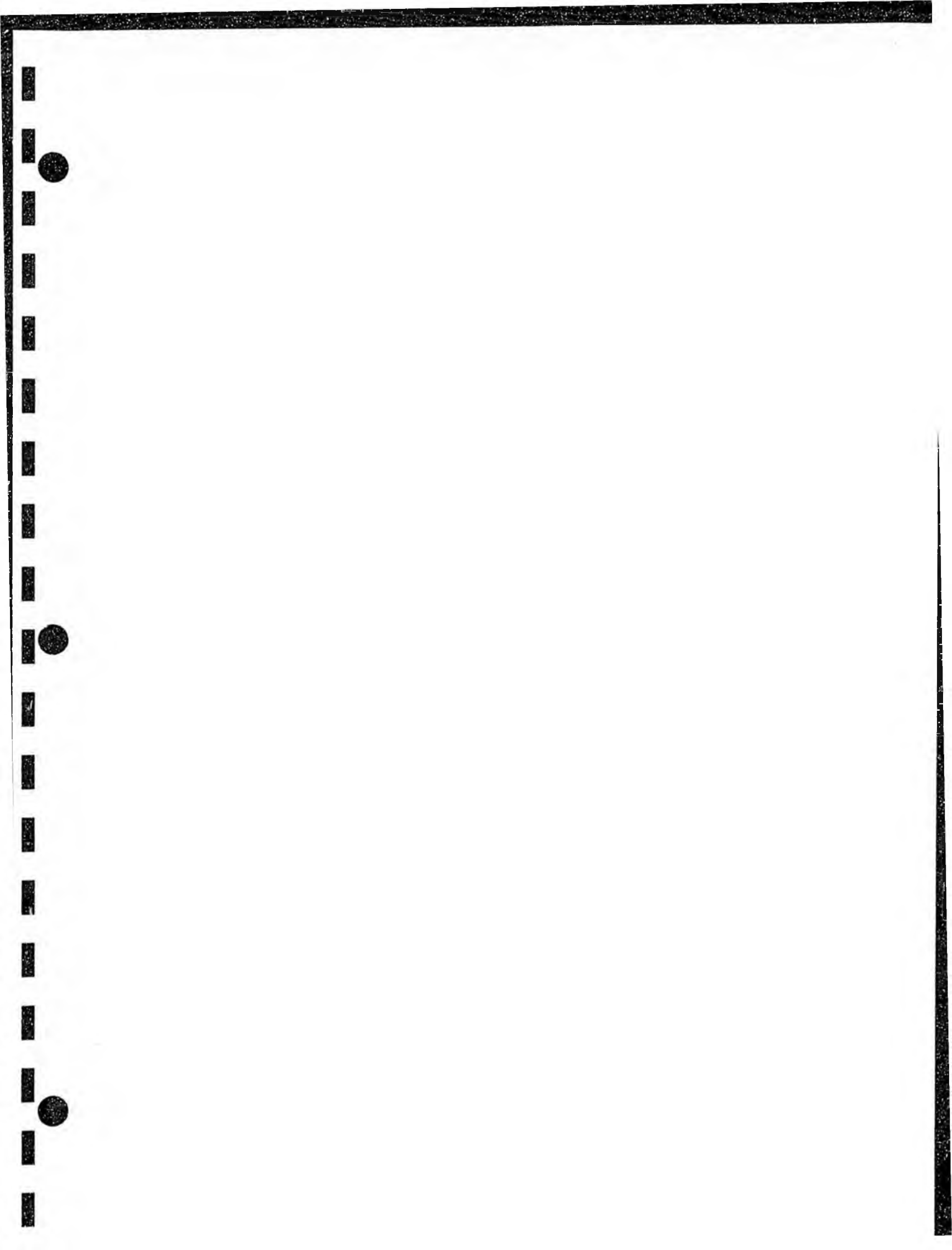
Willow MAINTENANCE  
STATION



*Photograph Three: Settlement of Foundation*



*Photograph Four: Corrosion of Building*



## **Willow Maintenance Station Executive Summary**

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Structural evaluation of the Department of Transportation and Public Facilities' Willow Maintenance Building deemed the structure unsafe, and following a directive from the Commissioner, it was vacated during the summer of 2001. The Central Region will initiate design of a replacement structure upon project funding. Currently the Department is renting a hangar for use as a warm storage building at the Willow Airport and using the former sign shed as an office and crew station, as well as continuing to use the airport snow removal equipment building constructed in 1999.

The Willow maintenance station is responsible for maintaining the Parks Highway from milepost 52 to milepost 99 (Talkeetna cutoff), as well as 23 miles of Hatcher Pass Road, several side roads in the Willow vicinity and the Willow airport. This equates to a very high 55.9 lane miles per operator (37 lanes miles per operator is State average).

The project will consist of constructing a new maintenance shop, water and septic systems, and relocating a fueling station. The design of the maintenance shop will be very similar to that for East Fork, and will become a standard for future warm storage facilities. The new facility will be constructed on the east side of the Parks Highway in order to situate it closer to the Willow Airport vehicle warm storage building. A primary site and alternate site have been identified on the airport property.

The facility design cost is estimated at \$414,000 and construction at \$4,021,800. This does not include demolition of the existing building or site remediation costs, which will be determined at a later date when more information on the extent of remediation required is known.

## Fast Facts

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### Willow Maintenance Station

Location: MP 71 Parks Highway

- 40 miles north of the Palmer Maintenance Station
- 50 miles south of the Chulitna Maintenance Station

Operations: Parks Highway, MP 52 – 99 (47 Miles)

- Heavy snow area with frequent icing conditions
- Additional responsibilities include 23 miles of Hatcher Pass Road and several side roads in the Willow area
- Responsible for the maintenance of the Willow Airport

Buildings:

- One 38 year-old four bay wood framed building with concrete foundation for highway equipment shop and warm storage
- One 3 year-old two bay pre-engineered metal building with concrete foundation for airport equipment warm storage

Staff/Equip:

- Four operators
- Three dump trucks with sand spreaders, belly blades, front plows and snow wings
- One road grader
- One front-end loader
- One steam boiler thaw truck
- Two pickup trucks
- Occasionally Oshkosh snow blower on loan from Palmer

## **Willow Maintenance Station Narrative**

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In 2001, after the collapse of structures at Cascade on the Glenn Highway and at 7-Mile Camp on the Dalton Highway, Commissioner Perkins ordered a structural evaluation of all suspect buildings, including the Willow Equipment Shop. The structural evaluation concluded that the existing building was not capable of resisting wind and snow loads without danger of complete failure.

The existing building is beyond repair. It is a wood framed structure on a concrete foundation. The building was not designed or constructed to withstand the snow, wind and seismic loads prevalent in the area. The building is a high risk in the case of earthquake, and cannot be practically strengthened to be code compliant. The roof deck is highly deteriorated in some areas and has a high danger of collapse under the heavy snow loading conditions experienced in the region.

### **Current Temporary Operations**

Following closure of the Willow Equipment Shop, the Willow crew has been operating out of the station's old sign shed. The sign shed has been insulated and the walls sheet rocked. An oil burning Monitor heater that is mounted to a wall provides heat. Restroom facilities consist of a Port-a-Can with a blue Styrofoam seat that they carry out with them. There is no running water. A Conex shipping container was purchased to store small equipment and materials from the old shop. The two bay airport snow removal equipment (SRE) warm storage building that was constructed in 1999 is used to house the loader and a sanding/plow truck. A large hanger (approximately 4,000 square feet) has been rented at the airport to house an additional sanding/plow truck and the grader.

- Response Time

Lack of adequate maintenance facilities at Willow will decrease road maintenance, lower service levels and increase weather related road closures. Timely maintenance is essential, with school buses and commuters traveling the road. The nearest maintenance stations are 40 miles south at Palmer and 50 miles north at Chulitna. They maintain the Parks Hwy from the Big Lake Road cutoff MP52 to the Talkeetna Y MP99. They also have 23 miles of Hatcher Pass Road, the opening of which in the summer takes a huge effort with the available equipment, and several side roads in the Willow vicinity. Lane miles per operator are a very high 55.9, with the state average approximately 37 and the national average is in the mid-20s. This indicates that the level of maintenance in Willow is already too low. Response time for sanding and plowing would be greatly increased if equipment were to come from Palmer and Chulitna.

The area maintained by the Willow crew typically has much higher snowfall than Palmer, and much colder temperatures than either Palmer or Chulitna. The boundary for freezing rain generally falls in the Willow crew's area and they consequently use two to three times the amount of sand that Chulitna uses for similar miles of road. Additional manpower would be needed just for sanding if they were not based in Willow.

The crew also maintains the four thousand foot lighted airstrip in Willow. This has been the Iditarod restart for at least four of the last six years. With an average turnout of approximately 15,000 cars for this event, it takes the Willow crew weeks of preparation to have the facility ready for the public.

- Productivity

The current temporary operation is inefficient. The operation is being run out of three separate facilities, requiring the crew to shuttle one mile between them. With no running water and only the most basic amenities, the sign shed is an inadequate facility for crew operations. Additional facility investments are needed to house the equipment. It is only logical that this investment be made at a location that will

reduce inefficiencies and at the same time improve level of service.

- Equipment Storage

Additional warm storage facilities are needed. The facility should be relocated so that it is nearer the SRE building and sand storage piles. Warm storage is needed to thaw out the vehicles and remove the buildup of ice on hydraulic lines and other moving parts. A warm shop is also needed to service and repair equipment, change attachments and replace cutting edges.

### **Description of New Facility**

#### **A. General Description**

The Willow Maintenance Garage is primarily a warm storage area for DOT's heavy equipment and vehicles used for highway maintenance and snow removal operations. The garage area is also used for minor repair work to vehicles and seasonal change-out of equipment components where an overhead crane is required. The basic layout and construction type of this facility will be very similar to that of the East Fork Maintenance Garage. With minor modifications for size and site considerations, this design will be used as a standard for the construction of warm storage shops in the future.

#### **B. Site Issues**

The new facility will be constructed on airport land nearer to the existing SRE building and the sand storage piles. The new site will also provide for a green belt barrier between the shop facility and the Parks Highway. Relocating the facility location will allow hazardous material remediation at the existing site, while not impacting the progress of this project.

#### **C. Building Design Criteria**

The design of the Maintenance Garage will comply with applicable building codes

including any amendments enforced by local jurisdictions and governing authorities. Design criteria will meet with the approval of State agencies while conforming to Federal requirements. The garage design will meet the provisions of the following references:

1. International Building Code, 2000 Edition
2. Uniform Fire Code, 2000 Edition
3. Americans with Disabilities Act, ADA Accessibility Guidelines for Buildings and Facilities
4. National Fire Protection Association (NFPA) 101, Life Safety Code

#### D. Building Layout

The central feature of the Maintenance Garage is the 6,000 SF vehicle storage area. This open area is 60 Ft wide by 100 Ft long with two overhead doors at each end creating a doublewide, drive-through equipment bay. The 22 Ft eave height allows clearance above the garage floor for a bridge crane to assist with lifting operations involving heavy equipment. A 16 Ft wide by 100 Ft long building width extension allows for an office/break room, a workshop, parts storage area, toilet and shower room, mechanical room, and emergency generator. The garage area will be separated from the remaining support areas with a fire rated wall. Stairs will allow access to a mezzanine area above these grade level rooms that will be utilized for miscellaneous storage and to house mechanical air handling equipment. There will be gated openings through the mezzanine wall to allow forklift access for the handling of bulk materials and over-size items. Man doors for individual rooms and along the building perimeter will be located and configured to comply with building code exiting requirements.

#### E. Equipment

The garage will have a central trench drain between equipment bays with an oil separator and wastewater holding tank. The garage will be equipped with a 5 ton

capacity overhead traveling bridge crane, compressed air, ventilation systems for welding and vehicle exhaust, deep sink, water hose bibs, pressure washer, emergency eye wash/shower, petroleum lube station, HazMat storage locker, and welding table. Additional equipment for this facility will include a diesel driven emergency generator, workbench, steel shelving units, shower room lockers, and portable fire extinguishers.

#### F. Materials

The building materials for the new maintenance facility shall include the following items:

##### 1. Exterior Walls:

Preformed insulated wall panels with a factory finished gage metal exterior face, interior liner panel, and foamed-in-place insulation core. A protective 8 Ft high plywood wainscoting will be installed at interior wall surfaces in the garage area.

##### 2. Interior Partitions:

Metal studs w/ gypsum wallboard sheathing each side and fiberglass batt insulation as required to limit thermal conductivity and sound transmission.

##### 3. Ceilings:

The office and toilet/shower room shall have drop ceilings of gypsum board construction. The mechanical rooms, workshop, and storage room will be open to the floor frame above. The garage area and mezzanine ceilings will consist of the prefinished metal liner above the exposed roof framing.

##### 4. Roofing:

The roof shall be designed with a standing seam metal roof over rigid board insulation with a vapor barrier and a prefinished, gage metal liner panel

exposed to view from below. The metal roof will have a moderate pitch to encourage snow to slide and assure minimal snow accumulation during the winter.

5. Doors & Windows:

The doors and frames shall be of hollow metal construction, insulated at exterior locations and fire rated as required at interior rooms. The large garage doors shall be 18 Ft wide by 14 Ft high, insulated steel sectional overhead doors with thermal glazing, electric operators with push button stations and remote operators, and a backup manual chain hoist. There will be one window in the office area with a low maintenance vinyl frame and energy efficient triple pane glazing.

6. Floors:

The shop floor shall consist of a concrete slab-on-grade, sloped towards a central trench drain, and finished with an epoxy coating. Piping within the slab will provide radiant floor heat. The mezzanine floor will consist of a concrete slab over metal decking to provide a strong and durable surface for storage and equipment support of fire resistant construction.

G. Foundation

The foundation for the garage building shall be constructed of cast-in-place reinforced concrete. The design will center on individual pilasters centered over isolated spread footings to support column loads at structural building frame locations. The footing will be designed to resist applicable load combinations involving building dead loads, live loads, collateral loading, along with snow, wind and seismic loads calculated for this specific building site. A perimeter grade beam will run between pilasters to tie foundation elements together in resisting lateral forces and provide support for possible differential settlement. The garage floor slab will be designed to resist large concentrated loads and reinforced at

designated locations to support steel tracked equipment. Slab reinforcing shall receive special detailing to limit cracking and transfer wheel loads across control joints.

#### H. Environmental Issues

A Phase I Environmental Assessment will be completed for the existing site once the project is funded. It is known that past on-site activities have released petroleum hydrocarbons and/or hazardous substances to the underlying soil and groundwater.

Environmental remediation is not anticipated for the development of the new site. During site development and construction, preventative measures will be required to be taken for erosion and pollution control.

**Willow Maintenance Station  
Project Schedule**

<b>Milestone</b>	<b>Start Date</b>	<b>Finish Date</b>
<b>If funding is available</b>	<b>July 1, 2002</b>	
Design	July 1, 2002	January 2003
Bid Advertisement	January 2003	February 2003
Bid Award	February 2003	March 2003
Construction	May 1, 2003	October 31, 2003

<b>Milestone</b>	<b>Start Date</b>	<b>Finish Date</b>
<b>If funding is available</b>	<b>January 2003</b>	<b>(HB365 and SB262)</b>
Design	January 2003	July 2003
Bid Advertisement	July 2003	August 2003
Bid Award	August 2003	September 2003
Construction	October 2003	October 31, 2004

**Willow Maintenance Station  
Summary of Design and Construction Estimated Costs**

**Design**

Conceptual Design	\$49,000
Design Consultant	300,500
DOT&PF Design Management	57,500
DOT&PF ICAP	<u>7,200</u>
<i>Subtotal</i>	<b>\$414,000</b>

**Construction**

Construction Contract	\$3,373,400
Change Order Reserve	334,000
DOT&PF Construction Management	168,500
Design Consultant & Special Inspections	67,000
DOT&PF ICAP	<u>78,900</u>
<i>Subtotal</i>	<b>\$4,021,800</b>

**Design and Construction Total** **\$4,435,800**

**Environmental Remediation**

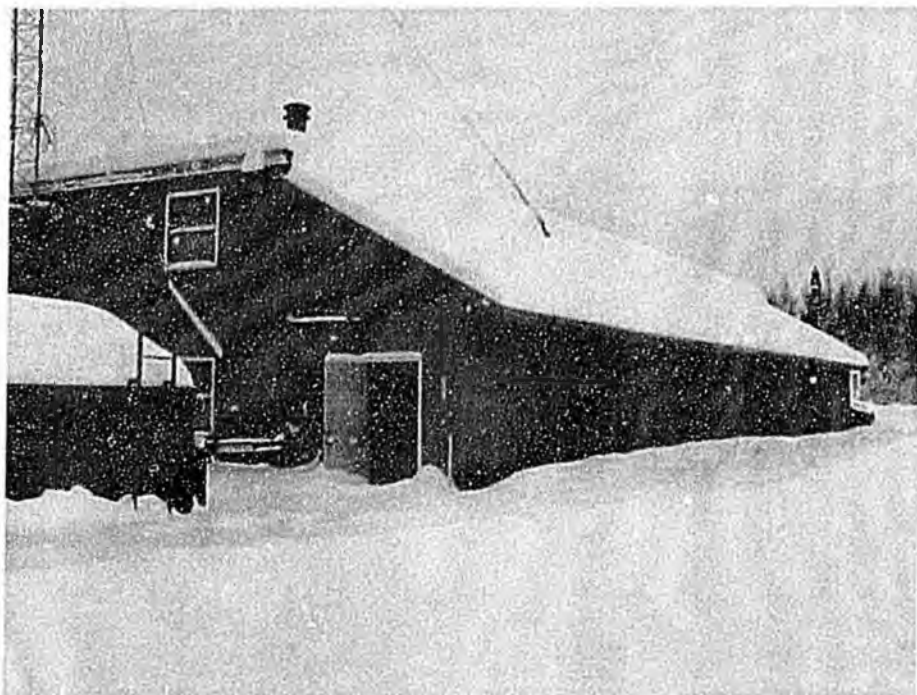
Phase I/II Environmental Assessment	\$TBD
Remediation of Existing Building Site	TBD
Demolition of Existing Buildings	<u>TBD</u>
<b>Total</b>	<b>\$TBD</b>

**Summary of Temporary Operating Costs**

FY02 Supplemental – Hangar rental and Conex building purchase	\$45,500
FY03 Operating Budget – Hangar rental	\$40,900

## **Willow Maintenance Station Photographs**

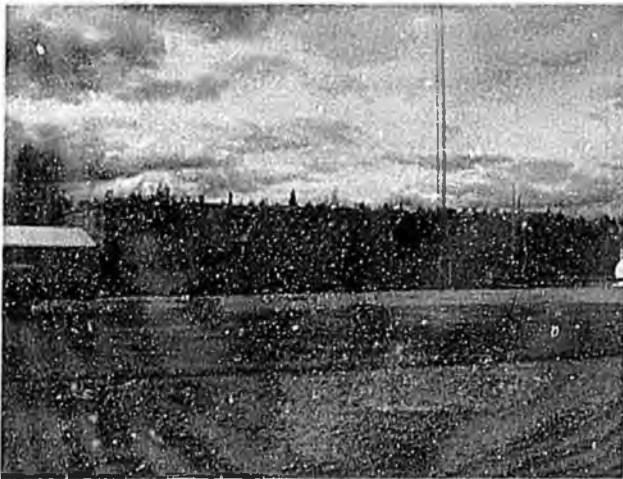
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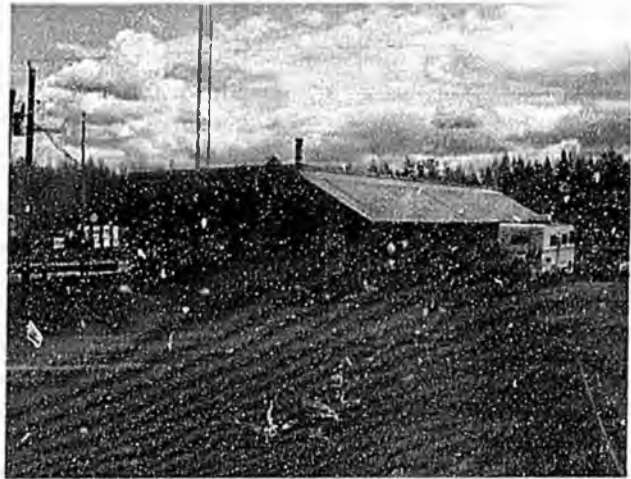
*Photograph One: Maintenance Shop as viewed from the Southwest*



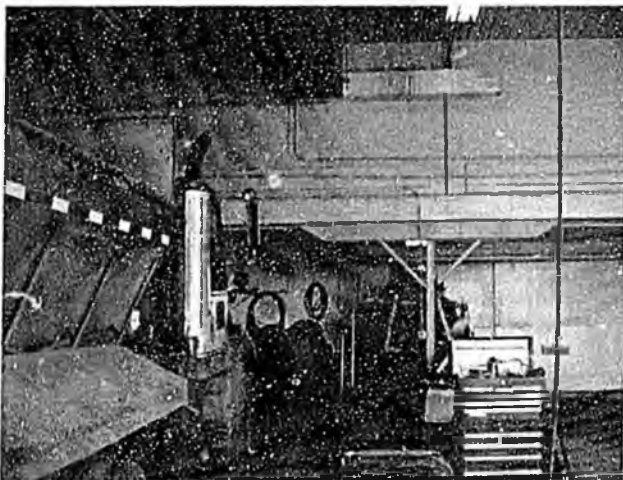
*Photograph Two: Maintenance Shop as viewed from the Parks Highway*



**Photo No. 3 – View of Willow Shop looking west at the NE elevation.**



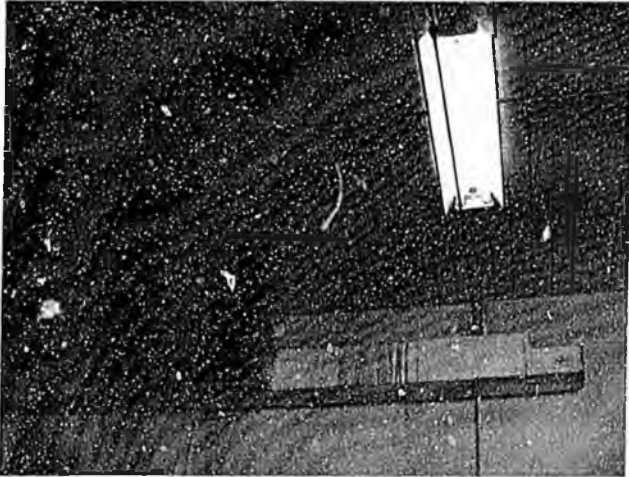
**Photo No. 4 – View of Willow Shop looking east, showing two-story end of building and shed-roof addition.**



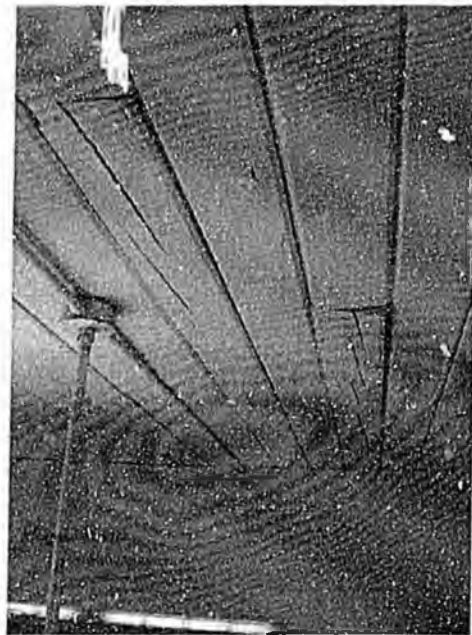
**Photo No. 5 – View of shop interior in 40 foot wide double bay, showing plow extending into space added beneath shed roof, and steel framing supporting the header over the opening.**



**Photo No. 6 – View showing framing on the underside of the shed roof addition, and load posting of the mezzanine. The mezzanine did not appear to be used, and no fixed access is existing.**



**Photo No. 7 – View showing underside of an area of highly deteriorated roof decking adjacent to furnace chimney passing through roof. Damaged area is just to the right of the center of the photograph. Roof in this area was noticeably “soft”.**



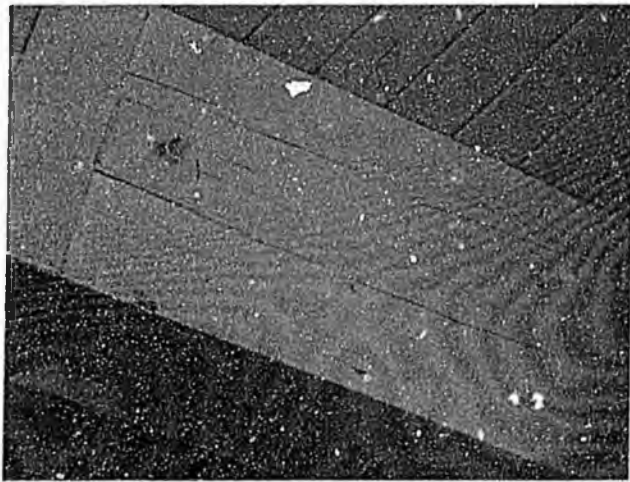
**Photo No. 8 – View showing another location where distress of roof decking is evident. A combination of high load and shrinkage appears to have dislodged the tongue-and-groove splines with resultant loss of strength.**



**Photo No. 9 – View showing extent of recent repairs to roof membrane, in vicinity of furnace chimney. Dark areas were coated with repair product.**



**Photo No. 10 – View showing cracked and weathered condition typical of roof membrane. Complete membrane replacement appears to be necessary soon.**



***Photo No. 11 – View showing cracks in glulam at cantilever that may be overstressed.***



***Photo No. 12 – View showing weathered siding with grooves at 4 inch spacing, and nailing occurring only at stud spacing of 16 inches along the sheet edges.***

# STATE OF ALASKA

## OFFICE OF THE GOVERNOR

OFFICE OF MANAGEMENT AND BUDGET

TONY KNOWLES, GOVERNOR

P.O. BOX 110020  
JUNEAU, ALASKA 99811-0020  
PHONE: (907) 465-4660  
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March 21, 2002

The Honorable John Coghill  
Chairman, House State Affairs Committee  
State Capitol Room 102  
Juneau, Alaska 99801

Dear Representative Coghill:

The purpose of this letter is to again request a hearing on HB 364, which would authorize certificates of participation for essential deferred maintenance projects for State facilities. We would like to request the following amendments to HB 364 to address significant deferred maintenance problems that have arisen since we submitted the bill:

1. On page 3, lines 29-30, amend to include the following University of Alaska project: UAA Emergency Renovation and Replacement Projects. The cost of this project is \$1.9 million.

This project is necessary to replace funds that were used to make emergency repairs of underground piping in the UAA campus core during the summer of 2001.

2. On page 4, add to the list of capital projects authorized in lines 1-11 the following language: Department of Transportation and Public Facilities, replacement of highway maintenance stations at Chandalar, Willow, East Fork and Nome. The total cost of replacing these stations is \$20.7 million.

The replacement of these maintenance stations is essential, because the existing stations are no longer safe for occupancy, and in the case of the Chandalar station, the structure has been torn down.

3. The following number changes are to accommodate these amendments: On page 5, line 12, replace \$135,605,000 with \$156,932,000. Page 5, line 16, replace \$137,530,000 with \$159,160,000. Page 5, line 19, replace \$12,825,000 with \$14,842,000. Page 5, line 20, replace \$192,381,000 with \$222,637,000.

Please note that the increase in the total amount authorized by the bill – from \$135.6 million to \$156.9 million – is \$1.3 million less than the combined cost of the University and DOT/PF projects listed above.

Representative Coghill  
March 21, 2002  
Page 2

This is because \$1.3 million has been deducted from other projects on the deferred maintenance priority list As a result of changes in these projects.

I know many legislators share our concern about the deferred maintenance backlog and hope you will afford us the opportunity to discuss this proposal in committee.

Sincerely,

A handwritten signature in cursive script that reads "Annalee McConnell". The signature is written in black ink and is positioned above the printed name and title.

Annalee McConnell  
Director

cc: Finance committee co-chairs

**CS FOR HOUSE BILL NO. 364( )**  
**IN THE LEGISLATURE OF THE STATE OF ALASKA**  
**TWENTY-SECOND LEGISLATURE - SECOND SESSION**

BY

Offered:  
Referred:

Sponsor(s): HOUSE RULES COMMITTEE BY REQUEST OF THE GOVERNOR

**A BILL**

**FOR AN ACT ENTITLED**

1 "An Act relating to capital projects for deferred maintenance, replacement,  
2 modification, and expansion of state facilities; relating to leases to secure financing for  
3 those projects; relating to the issuance of certificates of participation to finance those  
4 projects for certain capital facilities owned by the state; giving notice of and approving  
5 the entry into, and the issuance of certificates of participation in, lease-financing  
6 agreements for those projects; and providing for an effective date."

7 **BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:**

8 \* Section 1. The uncodified law of the State of Alaska is amended by adding a new section  
9 to read:

10 FINDINGS AND INTENT RELATED TO SEC. 2 OF THIS ACT. (a) The  
11 legislature finds that

12 (1) as a result of long-standing budget constraints, many state-owned  
13 buildings, including office structures, Pioneers' Homes, prisons, and other facilities, have

1 accumulated a considerable backlog of deferred maintenance; these facilities are in serious  
2 need of repair, major maintenance, and modification to maintain and extend their useful lives;

3 (2) in 1998, the Deferred Maintenance Task Force determined that deferred  
4 maintenance on state-owned buildings, not including University of Alaska buildings, totaled  
5 over \$169,000,000; because of budget constraints, little money has been provided in the last  
6 several years to address deferred maintenance in state-owned buildings other than university  
7 buildings; with the lack of money, facilities have continued to deteriorate, increasing the  
8 deferred maintenance total to over \$200,000,000; and

9 (3) the expenditures required to make these essential facility repairs are too  
10 great to accommodate in a single year's capital budget, and an alternative financing approach  
11 must be used to accomplish the necessary projects; the financing of the necessary projects will  
12 be the first major step in eliminating the deferred maintenance backlog.

13 (b) The legislature intends to provide the required investment in deferred maintenance  
14 capital projects for state-owned facilities described in sec. 2 of this Act.

15 \* **Sec. 2.** The uncodified law of the State of Alaska is amended by adding a new section to  
16 read:

17 DEFERRED MAINTENANCE AND FINANCING PLAN; LEASE OF  
18 FACILITIES; USE OF PROCEEDS. (a) The Department of Administration shall implement  
19 the plan that has been developed by the office of management and budget to undertake and  
20 finance deferred maintenance for capital facilities owned by the state. The plan has identified  
21 the deferred maintenance capital projects to be addressed under the plan, determined the  
22 estimated total costs of each project, and established priorities among the projects based on  
23 available resources and emergent need. The implementation of the plan shall include the  
24 issuance of certificates of participation by the state bond committee under sec. 5 of this Act  
25 and may provide for the payment of all costs of the issuance and the appointment of trustees.

26 (b) The costs of the deferred maintenance capital projects identified in the plan  
27 described in (a) of this section shall be financed through lease-financing agreements under  
28 sec. 5 of this Act. The cost of all necessary architectural, engineering, and other consulting  
29 services, inspection and testing, administrative and relocation expenses, site acquisition, on-  
30 and off-site utilities, related improvements, and other costs incurred in connection with the  
31 deferred maintenance capital projects are a part of the costs of the projects.

1 (c) In order to implement or secure the financing for the deferred maintenance capital  
2 projects identified in the plan described in (a) of this section, the Department of  
3 Administration may lease all or some of those facilities or other capital facilities owned by the  
4 state and may enter into ground leases and lease agreements with respect to capital facilities  
5 of the state. The term of a ground lease of land owned by the state may extend for up to 10  
6 years beyond the term of the lease-financing agreements under sec. 5 of this Act. The terms  
7 of a lease entered into under this subsection may not permit the mortgage of any fee interest in  
8 public land or otherwise permanently deprive the state of its equity interest in public land and  
9 the improvements constructed on that public land.

10 (d) The net proceeds, exclusive of the cost of other capital projects identified in sec. 3  
11 of this Act and the cost of issuance, capitalized interest, and interest earnings, derived from  
12 the lease-financing agreements authorized in sec. 5 of this Act shall be used for the deferred  
13 maintenance capital projects identified in the plan described in (a) of this section.

14 (e) The supreme court may delegate its authority under AS 22.05.025 regarding court  
15 facilities to the Department of Administration for the purpose of facilitating the financing of  
16 deferred maintenance projects under this section.

17 \* Sec. 3. The uncodified law of the State of Alaska is amended by adding a new section to  
18 read:

19 OTHER CAPITAL PROJECTS IN STATE-OWNED FACILITIES; LEASE OF  
20 FACILITIES; USE OF PROCEEDS. (a) The costs of capital projects for the replacement,  
21 modification, and expansion of certain state-owned facilities as described in (b) of this section  
22 shall be financed through lease-financing agreements under sec. 5 of this Act. The costs of  
23 necessary architectural, engineering, and other consulting services, inspection and testing,  
24 administrative and relocation expenses, site acquisition, on-site utilities, off-site utilities,  
25 related improvements, and other costs incurred in connection with these capital projects are a  
26 part of the costs of those projects.

27 (b) The capital projects to be financed as described in (a) of this section are

28 (1) University of Alaska, capital projects to comply with the Americans with  
29 Disabilities Act, and University of Alaska Anchorage emergency renovation and replacement  
30 projects;

31 (2) Office of the Governor, capital projects for state agencies to comply with

1 the Americans with Disabilities Act;

2 (3) Department of Administration, veterans' housing;

3 (4) Department of Military and Veterans' Affairs, a Southeast Alaska joint  
4 readiness center and student activities center in Juneau, shared with the University of Alaska  
5 Southeast;

6 (5) Department of Education and Early Development, land acquisition and  
7 expansion planning for the state museum described in AS 14.57.010;

8 (6) Department of Public Safety, facility replacement in Ketchikan and hangar  
9 construction in Anchorage and Juneau;

10 (7) Department of Health and Social Services, renovation and expansion of the  
11 youth detention facility in Nome; and

12 (8) Department of Transportation and Public Facilities, replacement of  
13 highway maintenance stations at Chandalar, Willow, East Fork, and Nome.

14 (c) In order to implement or secure the financing for the capital projects identified in  
15 (b) of this section, the Department of Administration may lease all or some of those facilities  
16 or other capital facilities owned by the state and may enter into ground leases and lease  
17 agreements with respect to capital facilities of the state. The term of a ground lease of land  
18 owned by the state may extend for up to 10 years beyond the term of the lease-financing  
19 agreements under sec. 5 of this Act. The terms of a lease entered into under this subsection  
20 may not permit the mortgage of a fee interest in public land or otherwise permanently deprive  
21 the state of its equity interest in public land and the improvements constructed on that public  
22 land.

23 (d) The net proceeds, exclusive of the cost of the deferred maintenance capital  
24 projects identified in the plan described in sec. 2(a) of this Act and the cost of issuance,  
25 capitalized interest, and interest earnings, derived from the lease-financing agreements  
26 authorized in sec. 5 of this Act, shall be used for the capital projects identified in (b) of this  
27 section.

28 \* Sec. 4. The uncodified law of the State of Alaska is amended by adding a new section to  
29 read:

30 LEASE-FINANCING AGREEMENT PAYMENTS. (a) The lease payments owed  
31 under a lease-financing agreement executed under sec. 5 of this Act are subject to annual

1 appropriation by the legislature.

2 (b) The legislature intends that money from the general fund will be sufficient to  
3 make all lease payments; however, if that source of money is insufficient to make the  
4 payments, the payments shall be made from any other valid source, subject to appropriation.

5 \* **Sec. 5.** The uncodified law of the State of Alaska is amended by adding a new section to  
6 read:

7 NOTICE OF THE ENTRY INTO AND FINANCING OF LEASE-FINANCING  
8 AGREEMENTS. (a) Subject to annual appropriation and to the applicable conditions set out  
9 in secs. 2 and 3 of this Act, the Department of Administration is authorized to enter into lease-  
10 financing agreements for the deferred maintenance capital projects identified in the plan  
11 described in sec. 2(a) of this Act and for the other capital projects identified in sec. 3(b) of this  
12 Act.

13 (b) The state bond committee is authorized to provide for the issuance of certificates  
14 of participation in one or more series in the aggregate principal amount of \$155,932,000, plus  
15 costs of required reserves and costs of issuance, to pay the costs of the deferred maintenance  
16 capital projects identified in the plan described in sec. 2(a) of this Act and of the other capital  
17 projects identified in sec. 3(b) of this Act. The estimated total cost of construction,  
18 acquisition, and equipping the projects is \$159,160,000, which shall be paid from the  
19 proceeds of the lease-financing agreements and from interest earnings during construction.  
20 The estimated aggregate annual amount of rental obligations under the lease-financing  
21 agreements is \$14,842,000. The estimated total lease payments for the full term of the lease-  
22 financing agreements is \$222,637,000. In this subsection, "cost of construction" includes  
23 credit enhancement and underwriting expenses, rating agency fees, bond counsel fees,  
24 financial advisor fees, printing fees, trustee fees, advertising fees, capitalized interest, interest  
25 earnings used for lease payments, other costs of issuance, and costs of required reserves.

26 (c) The state bond committee may contract for credit enhancement, underwriting,  
27 credit ratings, bond counsel, financial advisor, printing, advertising, and trustee services that  
28 the committee considers necessary in financing the deferred maintenance capital projects  
29 identified in the plan described in sec. 2(a) of this Act and the other capital projects identified  
30 in sec. 3(b) of this Act.

31 (d) The supreme court may delegate its authority under AS 36.30.085 to the

1 Department of Administration for the purpose of facilitating lease-financing agreements for  
2 deferred maintenance projects and the issuance of certificates of participation for those  
3 projects under this section.

4 \* Sec. 6. The uncodified law of the State of Alaska is amended by adding a new section to  
5 read:

6 NOTICE AND APPROVAL OF AGREEMENTS. Section 5 of this Act constitutes  
7 the notice and approval required by AS 36.30.085.

8 \* Sec. 7. This Act takes effect July 1, 2002.

# STATE OF ALASKA

## OFFICE OF THE GOVERNOR

OFFICE OF MANAGEMENT AND BUDGET

TONY KNOWLES, GOVERNOR

P.O. BOX 110020  
JUNEAU, ALASKA 99811-0020  
PHONE: (907) 465-4650  
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February 5, 2002

The Honorable John Coghill  
Chairman, House State Affairs Committee  
State Capitol Room 102  
Juneau, Alaska 99801

Dear Representative Coghill:

I am writing to request a hearing on HB 364, which would authorize a \$136 million financing plan for essential deferred maintenance repairs for State facilities.

This bill implements the recommendation of the 1997-98 Legislative Deferred Maintenance Task Force to finance essential facility repairs through debt financing.

In addition to discussing the need for the deferred maintenance and other projects in the bill, we will address why it makes sense to do this through debt financing. In part, it is because failure to address these needs will result in a growing list of emergency repairs and escalating costs. We can pay for these essential repairs now, or we can pay more, perhaps much more, later. Issuing debt to do this makes sense now because interest rates are extremely favorable.

Although this legislation focuses on deferred maintenance, it will also fund the replacement or expansion of several key facilities, including housing for veterans requiring an assisted living situation.

Thank you for your consideration of this legislation. Additional information on the bill is attached.

Sincerely,



Annalee McConnell  
Director

## **Deferred Maintenance, Replacement and Expansion of State Facilities: \$136 Million in Certificates of Participation**

As a result of long-standing budget constraints, many state-owned buildings, including Pioneers' Homes, prisons, and office buildings, have accumulated a considerable backlog of deferred maintenance. These facilities are in serious need of repair, major maintenance, and renovation to keep the facilities safe for occupancy and extend their useful lives. In 1998, the Legislative Deferred Maintenance Task Force determined that deferred maintenance on state-owned buildings, not including University of Alaska buildings, totaled over \$169 million. The University of Alaska has identified \$128 million in deferred maintenance needs for University facilities.

It is becoming increasingly critical to address these deferred maintenance needs. Failure to do so will result in an increasing risk to the safety of the public and state employees, and further increase the cost of future repairs as facilities continue to deteriorate.

This financing proposal would authorize the issuance of \$136 million in certificates of participation (COPs) to fund deferred maintenance projects statewide. With current tax-exempt interest rates at very low levels, now is an excellent time to finance these deferred maintenance projects. Projected debt service is \$13.2 million per year beginning in FY 04, based on 15 year financing and an interest rate of 4.9 percent.

### **Major elements of this deferred maintenance plan include:**

- \$12.2 million for repairs and renovations for all of the Pioneers' Homes across the state;
- \$8.8 million for deferred maintenance projects in health clinics and juvenile justice facilities, including a renovation and expansion of the Nome youth detention center;
- \$25.8 million for repairs to adult correctional facilities;
- \$11.1 million for State Trooper and Fish and Wildlife Protection facilities;
- \$20.2 million for repairs to facilities maintained by the Department of Administration, including repairs to roofs, elevators, water and electrical systems;
- \$16.6 million for deferred maintenance for facilities maintained by the Department of Transportation and Public Facilities, including repairs to office buildings, courthouses, and highway maintenance stations;
- \$5.5 million for University of Alaska facilities;
- 2.5 million each for ADA projects at the university and state facilities.
- \$4 million as the state share of construction costs for veterans' housing.

## **Understanding the FY2003 Budget – Facility Deferred maintenance, Replacement and Expansion**

The proposed appropriation of the bond proceeds by department for deferred maintenance projects is:

<b><u>Department</u></b>	<b><u>Appropriation (\$millions)z</u></b>
Administration	\$20.2
Administration--Pioneer's Homes	\$12.2
Corrections	\$25.8
Education and Early Development	\$8.9
Fish and Game	\$1.4
Governor (statewide ADA)	\$2.5
Health and Social Services	\$5.3
Military and Veterans Affairs	\$1.0
Natural Resources	\$4.0
Public Safety	\$2.1
Transportation and Public Facilities	\$16.6
University of Alaska	\$5.5
University ADA	\$2.5
Court System	\$3.7

In addition to these deferred maintenance projects, the following amounts are appropriated for facility replacement and expansion projects:

<b><u>Department</u></b>	<b><u>Project</u></b>	<b><u>Appropriation (\$millions)</u></b>
Administration	Veterans' housing	\$4.0
Education and Early Development	Land acquisition and expansion planning for state museum	\$2.0
Health and Social Services	Nome youth detention facility renovation and expansion	\$3.5
Public Safety	Ketchikan facility replacement	\$3.4
Public Safety	Hangar construction in Anchorage and Juneau	\$5.5
Military and Vets. Affairs	Juneau readiness center/ UAS student activities center joint facility	\$5.5

For a detailed listing of all projects, click [here](#). (Downloadable Excel file.)

Click [here](#) for detailed project information on the following projects: veterans' housing, Nome youth corrections center, Ketchikan, Public Safety building, Public Safety aircraft hangars, Juneau National Guard Readiness Center/UAS joint facility, and State Museum Land Acquisition & Expansion Planning.

**Department of Administration Deferred Maintenance  
Projects**

**FY2003 Request: \$32,433,100  
Reference No: 36803**

**APIAL: Appropriation** Project Type: Deferred Maintenance  
**Category: Health/Safety**  
**Location: Statewide** Contact: Dan Spencer  
**Election District: Statewide** Contact Phone: (907)465-5655  
**Estimated Project Dates: 07/01/2002 - 06/30/2005**

**Brief Summary and Statement of Need:**

Funding is needed to address deferred maintenance needs in many state owned buildings including office buildings and the Pioneers' Homes. As the result of long-standing budget constraints many of these buildings have accumulated a considerable backlog of deferred maintenance.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$32,433,100						\$32,433,100
<b>Total:</b>	<b>\$32,433,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$32,433,100</b>

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required	<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

The Pioneers' Homes receive annual capital funding for emergency repairs and maintenance. However, this funding has never been adequate to address anything but the most critical repairs.

**Department of Administration Deferred Maintenance  
Projects**

**FY2003 Request: \$32,433,100  
Reference No: 36803**

The Department of Administration deferred maintenance projects fall into two separate categories: the Pioneers' Homes system and state owned facilities.

**Pioneers' Homes**

The Division of Alaska Longevity Programs has identified Deferred Maintenance and related Capital Improvement Projects (CIP) for the Alaska Pioneers' Homes in its 6-Year CIP Plan. The projects are aimed at correcting Fire and Life Safety problems, Structural Repairs and Continued Maintenance, and renovations and upgrades to serve a growing population of senior Alaskans suffering from Alzheimer's Disease and Related Disorders (ARD) who require special protection.

Fire and Life Safety projects include electrical upgrades, structural modifications, and various corrections of other deficiencies to make the Homes safe for occupancy. Structural Repairs and Continued Maintenance projects are those that are necessary to maintain the integrity of the building and major equipment such as roof repairs and heating and ventilation repairs and upgrades. ARD projects are those that provide small, secure, and homey environments for people suffering from confusion and other difficulties due to their loss of ability to manage in normal physical environments. This category includes projects that provide small, specialized care units to serve smaller groups, special bathing equipment and spaces, small activity and dining spaces, and a secure environment.

Each year the division seeks approval for funding to resolve the most critical needs of the Homes. However, due to budgetary constraints over the years the CIP budget has been much less than needed to meet these high priority needs. The Homes have excellent maintenance programs that include daily scheduled preventative maintenance and work to maintain the equipment and buildings. However, large and complex building problems are beyond available maintenance resources.

Because the equipment and buildings are aging, delays in funding repair work increase such repair costs each year. For example, delays in roof leak repairs cause further interior and structural damage resulting in eventual higher repair costs. In addition, this problem is exacerbated by an annual increase in construction costs due to an estimated 3 percent rate of inflation.

Continued failure to address the deferred maintenance problems in the Homes will lead to further decline in building appearance and integrity as well as raise the level of concern for those safety issues that need to be addressed to protect residents, staff, and visitors from harm.

**State Owned Facilities**

The Division of General Services has implemented a preventative maintenance program to perform daily scheduled work to maintain the equipment and buildings it manages. However, major deferred maintenance projects such as roof repair and elevator replacement are beyond available resources. Over the years, this backlog of deferred maintenance has grown to over \$20,248.2, not including the Pioneers' Homes. Unless significant funding appropriations are made to deal with the backlog the problems will continue and worsen.

Currently one of the highest priority projects on the deferred maintenance list is the Juneau State Office Building (JSOB) elevator systems replacement and upgrade. For the last ten years these elevator systems have experienced serious problems and significant down time. Over the last five years the problems have significantly worsened. In the last year the majority of the elevators have been inoperable. These elevators need to be upgraded for fire and life-safety and code compliance, to ensure they are operational, and to ensure that users are not injured.

Other examples of critical deferred maintenance needs for the JSOB are replacement of the roof and domestic water lines. The building's current roof is long past its expected service life resulting in water leaks and damage to the facility and its contents. Additionally, the galvanized domestic water supply lines in the facility have corroded to a point where they fail without warning. Needless to say, these failures also cause collateral damage to the facility and its contents. Bursting water lines located adjacent to the Division of Library's historic collection is of particular concern because of the priceless nature of the artifacts kept in this collection. Due to the prolonged nature and multiple failures of both the roof system and domestic water lines, substantial damage is occurring to the facility.

The Fairbanks Regional Office Building (FROB) is also in need of roof replacement. The FROB structure is suffering from chronic leaks that are causing collateral damage to the structure and its contents.

Another facility needing immediate attention and substantial funds to repair is the Douglas Island Building. Specifically, the curtain wall on the Douglas Island Building has long since exceeded its useful service life. As a result, the walls and window system no longer provide adequate protection from the elements for the structure and its contents.

**Department of Administration Deferred Maintenance  
Projects**

**FY2003 Request: \$32,433,100  
Reference No: 36803**

These examples are only a few of the higher cost deferred maintenance projects where funding is needed. No less important are the many lower cost projects on the list of deferred maintenance needs. Examples of these less costly deferred maintenance projects include failing roofs on the Juneau Public Safety Building and the Dimond Court House, and the entrance canopy roof attached to the Alaska State Museum. As previously mentioned, roof failures typically cause substantial collateral damage to a facility and its contents. In the case of the entrance canopy at the Alaska State Museum, a failure or collapse of the structure could cause injury to the museum's occupants and visitors.

In virtually every case failure to expend the resources needed to keep up with facility maintenance leads to a greater expenditure of both time and money now and in the future.

**Veterans Housing**

**FY2003 Request: \$10,000,000**  
**Reference No: 36804**

**AP/AL:** Appropriation  
**Category:** Health/Safety  
**Location:** Anchorage Areawide  
**Election District:** Anchorage Areawide  
**Estimated Project Dates:** 07/01/2002 - 06/30/2005

**Project Type:** Construction  
**Contact:** Dan Spencer  
**Contact Phone:** (907)465-5655

**Brief Summary and Statement of Need:**

Funding will allow the state to leverage federal grant funds for the construction of a new facility, the remodel of an existing facility, or an addition or additions on existing facilities to meet the housing and care needs of veterans.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Fed Rcpts	\$6,000,000						\$6,000,000
Lease Bond	\$4,000,000						\$4,000,000
<b>Total:</b>	<b>\$10,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,000,000</b>

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required	<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

This project has received no prior year funding.

Operations and maintenance costs for the new facility have not been determined at this time.

## Veterans Housing

FY2003 Request: \$10,000,000  
Reference No: 36804

AS 44.21.035 authorizes the Department of Administration (DOA) to construct and operate a Veterans Home. Since this initial statute was passed in 1992, no state funding has been provided to implement the statute. The Departments of Administration and Military and Veterans Affairs working with the Alaska Veterans Advisory Board and state veterans' organizations have developed a Veterans' Assistance Package consistent with the original legislative intent of AS 44.21.035, which was to house and care for Alaska's veterans maximizing the use of available federal grants.

The veterans' assistance package relies heavily on utilizing existing state programs and facilities for veterans. It also requires an in-depth fact gathering and planning process as well as legislative approval of capital funds to leverage federal Veterans Administration (VA) grants.

The first part of the package utilizes existing state infrastructure and has been presented to the legislature by Governor Knowles in SB55/HB88. This bill focuses on the needs of elderly Alaskan veterans providing them with recognition and care in the Alaska Pioneers' Homes. The bill proposes that the Alaska Pioneers' Homes become the Alaska Pioneers' and Veterans' Homes to honor the large number of veterans living in the Pioneers' Homes. The bill also provides for a veteran preference for 21% of the funded beds and allows for two veterans to serve on the Pioneers' Home Advisory council. Presently, due to lack of funding, about 100 beds in the Pioneers' Home system are vacant. The Pioneers' Homes need funding to provide staff and services if applicants are to be admitted to these beds. The cost of fully utilizing these beds is \$5.2 million, half of which is anticipated to come from resident revenues.

The second part of the package requires \$250.0 of contractual funding to obtain in-depth facts about the needs of veterans in the state who would not be served by the Pioneers' and Veterans' Home, and a plan to meet these needs. In general senior veterans will require assistance with needs related to physical frailty and Alzheimer's disease which they will receive in the Pioneers' and Veterans' Home. Veterans younger than 65 years of age, in general, will require assistance related to homelessness, substance abuse, and combat disability. The plan would include the best use of federal programs for state veterans and the use of state funds to leverage federal grants. The \$250.0 cost of the plan is half the cost of a similar plan recently funded by the State of Washington, and should save the state costly mis-steps in providing for the needs of Alaska veterans.

The third part of the veterans' assistance package is \$4.0 million requested in the deferred maintenance bill. This capital funding would allow the state to leverage federal grant funds for the construction of a new facility, the remodel of an existing facility, or an addition or additions on existing facilities to meet the housing and care needs of veterans. The specifics of construction would depend on the findings of the \$250.0 study. But it is necessary that these funds be available up front in order for the plan to provide various alternatives for leveraging federal VA funds. The federal VA has traditional VA Home construction programs available. In addition, the VA has expressed a willingness to work with the state on innovative programs to meet the specific needs of Alaskan veterans. State construction funding of \$4.0 million should provide an additional \$6.0 million in federal grants. Planners who have state capital funds assured will be able to work effectively with the VA in developing responses to state veterans' needs based on assured VA grants and include traditional and innovative programs.

The Veterans' Assistance Package will meet some veterans' immediate needs and will plan for the future needs of other veterans. Alaskan veterans are one of the fastest growing segments of the Alaskan population. Alaska has done little to recognize or assist Alaskan veterans. Past planning has been haphazard and underfunded. Soon Alaska will be the only state without a state veterans home. Tony Principi, Secretary of the U.S. Department of Veterans Affairs, has stated that he is willing to work with Alaska on developing innovative programs for Alaskan veterans because of the uniqueness of the state. This package has the endorsement of Alaska's veterans organizations. Utilizing existing state infrastructure, in-depth planning, and leveraging federal grants will provide veterans with the assistance they need at an affordable cost to the state.

Department of Corrections Deferred Maintenance Projects    FY2003 Request:    \$25,824,500  
 Reference No:    36788

AP/AL: Appropriation    Project Type: Deferred Maintenance  
 Category: Health/Safety  
 Location: Statewide    Contact: Dwayne B. Peeples  
 Election District: Statewide    Contact Phone: (907)465-3339  
 Estimated Project Dates: 07/01/2002 - 06/30/2007

**Brief Summary and Statement of Need:**

The Department of Corrections is responsible for maintaining 112 state-owned buildings (over 1.1 million square feet and \$372.5 Million in replacement value). A majority are over 20 years old and 10% exceed 40 years of age. Maintenance must be done annually to keep the facilities operating safely and securely.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$25,824,500						\$25,824,500
Total:	\$25,824,500	\$0	\$0	\$0	\$0	\$0	\$25,824,500

State Match Required     One-Time Project     Phased Project     On-Going Project  
 0% = Minimum State Match % Required     Amendment     Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

**Department of Corrections Deferred Maintenance Projects**    **FY2003 Request: \$25,824,500**  
**Reference No: 36788**

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The Department is responsible for maintaining 112 state-owned buildings (over 1.1 million square feet and \$372.5 million in replacement value). A majority of these buildings are over 20 years old and 10% exceed 40 years of age.

The repair and replacement maintenance requirements are necessary to insure that the facilities will continue to operate safely. The renovation and remodeling requirements are necessary to meet safety, security and medical needs.

Funding appropriated for this request will be allocated towards addressing the 112 projects that have been deferred over the prior years. Continued deferral for many of these projects is no longer an option as their systems are failing or have already failed and are operating under a temporary system, and most need to be addressed now to continue supporting correctional operations.

As an example, the maximum security facility at Seward needs ground drainage installed to correct water run off problems that flood one of the inmate housing unit's annually. New snow removal equipment is also needed at the Seward facility to support this issue.

For other projects, seven (7) of twelve (12) state institutions and the Agency's Farm at Pt. MacKenzie have water and sewer work that must be completed to correct problems that jeopardize health and safety of all who live and work at the sites. Roofs at 7 of the twelve 12 state institutions are in various degrees of failure and need immediate attention to correct. Perimeter fences and entry gates at 7 of the 12 institutions need replacement or major repairs, inclusive of installation of alarm systems, to meet continued security needs.

As more and more people enter the state's correctional system, increased attention must be given to inmates who have infectious health ailments that jeopardize the health and safety of all who come in contact with them. Tuberculosis Isolation cells are needed in 7 of the 12 correctional sites across the state. Fire alarm systems in 5 institutions are failing and must be renewed to continue providing support to institutions. These fire alarm system projects are critical to continued occupancy of the facilities they support.

Electrical, closed circuit TV monitoring systems, central control room systems, intercom systems at 5 institutions are in immediate need of renewal or replacement to enable continued security support. Boilers, HVAC Systems, Fuel Tanks at 6 institutions need a major maintenance effort to enable them to meet their function. Floors, walls and ceilings in almost every institution needs maintenance action to continue providing safety and security for inmates and state employees working in them.

Finally, capital deferred maintenance funds are needed to finance professional services contracts that will study each of the twelve institutions and the farm's infrastructure for functionality and effectiveness as a correctional institution. These reviews will, among other things, look in-depth at the existing utility/electrical systems in each institution to see if alternative fuel resources are available to cover the needs of the facility. Options such as natural gas, coal and wood will be reviewed to see if they can provide less expensive but more effective service. Studies are needed to develop a Statewide Maintenance Plan that will keep each institution at its optimal service level and maintain the property's value to the State.

If these deferred maintenance projects are not addressed soon, the damages that already have incurred will spread further, greatly increasing the eventual capital and operating costs of repairing the systems in need of maintenance. The safety and security of the facilities and their occupants, both prisoners and staff, will be jeopardized.

Department of Education and Early Development Deferred Maintenance Projects      FY2003 Request: \$8,876,700  
 Reference No: 36809

AP/AL: Appropriation      Project Type: Deferred Maintenance  
 Category: Education  
 Location: Statewide      Contact: Karen J. Rehfeld  
 Election District: Statewide      Contact Phone: (907)465-8350  
 Estimated Project Dates: 07/01/2002 - 06/30/2007

**Brief Summary and Statement of Need:**

Deferred maintenance issues for the facilities at Mt. Edgecumbe High School (MEHS) and Alaska Vocational Technical Center (AVTEC) are itemized on the following pages:

Funding:	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$8,876,700						\$8,876,700
Total:	\$8,876,700	\$0	\$0	\$0	\$0	\$0	\$8,876,700

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

**Department of Education and Early Development Deferred Maintenance Projects**      **FY2003 Request: \$8,876,700**  
**Reference No: 36809**

AVTEC First Lake Facility Elevator Replacement - The elevator is more than 50 years old and has worn out its useful life. The elevator requires an unusual amount of maintenance and is not dependable. It is not usable while it is being repaired or waiting to be repaired. The elevator is the only wheelchair access to second story classrooms, the IT computer lab, and the administration offices. It is essential for a public facility such as a school to be fully ADA compliant. This facility cannot be ADA compliant when its elevator is not in service. (\$103,500)

Mt. Edgecumbe high school renovations and upgrades are requested because both Girls' and Boys' dormitories and Cafeteria were originally built between 1938-45 with few major renovations since that time. Consequently, these buildings are in need of major capital improvements. All projects presented are part of the recommendation of an architectural team which recently performed a Six (6) Year Capital Improvement Plan for Mt. Edgecumbe High School.

1. \$921,773 = Interior and exterior renovation and upgrade of Mt. Edgecumbe High School. Cafeteria/Dining Hall. Exterior work would include addition of siding, windows, doors, and insulation. Interior work would include upgrading interior and existing kitchen facilities.
2. \$1,783,971 = Safety renovations and upgrade of Mt. Edgecumbe High School. Boys' Dormitory. Interior and exterior work will include removal of existing CAB board siding (which contains high levels of asbestos) and replacement with safer siding, and windows, insulation and doors. Also, dorm rooms would also be upgraded. In particular, structural improvements to improve seismic rating of building necessitates extensive work.
3. \$1,590,561 = Safety renovations and upgrade of Mt. Edgecumbe High School Girls' Dormitory. As with Boys' Dorms, interior and exterior work will include removal of existing CAB board siding (which contains high levels of asbestos) and replacement with safer siding, and windows, insulation and doors. Dorm rooms would also be upgraded. Structural improvements to improve seismic rating of building necessitate extensive work.
4. \$1,862,875 = Expansion and renovation of existing Academic Building/Classrooms is needed because school enrollment has increased more than 30% since construction of Academic Building in 1988, creating overcrowded classroom conditions.

Total proposed capital projects for Mt. Edgecumbe High School. = \$6,159,200

AVTEC Dormitory Remodel - Upgrade 30 year old dormitory to correct code violations and improve living conditions for AVTEC students. The average age of an AVTEC student is 36 years old. The mature student does not generally desire dorm-style living. When they go elsewhere for accommodation, AVTEC loses potential income. The upgrade will include replacement of boiler and mechanical systems, insulation for energy efficiency, wiring for computers, ADA upgrades, and renovation of living space. These rooms will have modern amenities like phone, cable, and internet use. A new boiler and mechanical systems are recommended as a part of this work. The Quad units are highly successful and it is suggested to enhance these units by remodeling them to let light into the central living room that has no windows or natural light. A portion of the units will be accessible under ADA standards. Included in this work are landscaping and site amenities. (\$2,172,000) The roof has been scheduled for replacement. The replacement plan puts the roof in the unsafe building category and further study is recommended before re-roofing. (\$4,000) A study center and computer lab close to the residence is desired for safety and convenience to the student. More computer space is needed as the library does not have enough and the hours that it is open are limited. It is recommended to convert part of the existing dorm into reading rooms, study space, and computer lab for late night studying including an office to monitor and assist students. (\$300,000)

AVTEC Apartment Buildings Interior and Exterior Renewal - The apartments are typical inexpensive apartment buildings with T1-11 siding and asphalt shingles. The buildings appearance are not unified in appearance and not appealing. The siding is worn and rooftops are growing organic material. It is recommended to re-side all exterior walls and sophist with a maintenance free material and re-roof all the units to give a uniform and appealing appearance. With the purchase of the Alderwood Apartments, accessible apartments are required under ADA. Design and construction services are required. The exit out of the third story of the nine-plex is hazardous and complicates egress out of the second story window. A redesign of the exit stair is desired. (\$138,000)

Property Acquisition and Preliminary Design for Museum, Archives and Historical Collections Building Expansion      FY2003 Request: \$1,950,000  
 Reference No: 35850

AP/AL: Appropriation      Project Type: Health and Safety  
 Category: Education  
 Location: Juneau Areawide      Contact: Karen J. Rehfeld  
 Election District: Juneau Areawide      Contact Phone: (907)465-8650  
 Estimated Project Dates: 07/01/2002 - 06/30/2007

**Brief Summary and Statement of Need:**

Purchase property adjacent to the Alaska State Museum and provide funds for the preliminary design of a combined facility of about 70,000 square feet. The expansion would provide space, security and environmental protections for the Alaska State Museum, State Archives and the Historical Collections section of the State Library.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$1,450,000						\$1,450,000
Stat Desig	\$500,000						\$500,000
<b>Total:</b>	<b>\$1,950,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,950,000</b>

State Match Required     One-Time Project     Phased Project     On-Going Project  
 0% = Minimum State Match % Required     Amendment     Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

No prior funding has been provided for this project. Not able to determine operating or startup impact until design is completed.

**Property Acquisition and Preliminary Design for Museum, Archives and Historical Collections Building Expansion**      **FY2003 Request: \$1,950,000**  
**Reference No: 35850**

The present 24,000 square foot Museum, built in 1967, is 34 years old. The Museum's collection has grown from 5,600 objects in 1967 to 25,000 objects today. All storage and exhibition spaces are completely filled. Storage now overflows into temporary storage facilities placed in the Museum's parking lot. These storage facilities do not provide proper security or environmental conditions for the objects. Due to the lack of exhibition space, only about 10 percent of the Museum's collection is on display to the public. The museum is also in critical need of a modern conservation laboratory and staff workplace.

The State Archives building is within two to three years of reaching storage capacity. The building itself is architecturally deficient; it is literally tearing apart and cannot be expanded.

The Historical Collections section of the State Library (located on the west side of the eighth floor of the State Office Building) has also reached capacity and cannot expand outwards except onto the eighth floor deck. Its collection is valued at nearly \$40 million, yet it has no security or environmental protections common to collections of this type.

All three programs have shared facility need: they require strong security systems and environmental controls and need conservation laboratories. A combined facility for all three programs would be advantageous for fiscal, administrative and patron needs. The project will provide land purchase and preliminary funds for design of a facility that will accommodate both the museum and archival needs of the state.

Property adjacent to the Museum is available for purchase for about \$1.5million. In a recent revision of its comprehensive plan, the City and Borough of Juneau received public comment in support of a zoning change for this property to museum/archive use. In addition, a downtown planning and redevelopment group made up of state agencies, the city, the Coast Guard local business, and the Mental Health Land Trust, support the use of this site to resolve the space needs of Archives and Museums. The group which is exploring use of the downtown corridor is also interested in freeing up the current State Archives site.

An additional \$450.0 is being requested to provide funds for the preliminary design of a combined facility of about 70,000 square feet.



**Department of Fish and Game Deferred Maintenance  
Projects**

**FY2003 Request: \$1,400,000  
Reference No: 36787**

**EMMONAK FIELD OFFICE \$200.0**

This request is for the replacement of the Emmonak field office. This is a key facility for the Lower Yukon area fishery with high customer traffic and fishery management requirements for the region. ADF&G currently rents a small 480 sq. ft. metal office building in Emmonak. The existing facility is old, substandard, dangerously overcrowded, and otherwise inadequate to meet the needs of field office operations.

ADF&G will utilize the funding from this request to replace the existing facility with a code compliant and energy efficient ADA accessible modular field office necessary to support the Emmonak field operations.

**BUNKHOUSE (AYK) REPLACEMENT \$650.0**

The ADF&G compound in Bethel has several buildings used for a variety of purposes. This project specifically addresses the replacement of two very old substandard duplexes used for temporary housing for employees and field crews. The duplexes were acquired as used surplus housing units several years ago and over time have deteriorated to the point where estimated repairs now exceed the value of the facilities. One side of one duplex is in such poor shape it can only be used for cold storage, which has created difficulties with crew housing.

This project will consist of the replacement of two substandard existing duplexes and upgrading supporting infrastructure at the compound. Two new ADA accessible and energy efficient light commercial modular housing units with new foundations, upgraded heating, electrical, water and sewer systems will be procured in conjunction with much needed site work to increase drainage and compound functionality. The new facilities will address employee health and safety issues, operate more efficiently, reduce maintenance costs, meet new ADA standards and fulfill requirements necessary for the Bethel staff and field crews.

**KODIAK OFFICE, SIDING REPLACEMENT \$500.0**

This request addresses an immediate need to repair and retrofit the ADF&G two story regional office building in downtown Kodiak. The building has deteriorated over time and the exterior siding and windows have failed, resulting in severe leaks throughout the year. Several windows have water between the glass panes (staff refers to one area as "the aquarium"). Work areas subject to the constant leaking have rot behind the siding, and floor covering replacement is routine. The health and safety of employees assigned to this facility are of significant concern to the department.

A professional engineering firm prepared a building condition report complete with options and estimates to repair the facility. The final report shows major structural failure of the siding and windows, and rot behind the existing siding. This project includes removal and disposal of the failing siding and windows, disposal of the hazardous cement asbestos siding, repair of rot and damaged floor coverings associated with the leaks, and replacement of the windows and siding with new energy efficient windows and metal siding.

**STATEWIDE COLD STORAGE BUILDING REPAIRS \$50.0**

ADF&G has various storage facilities located throughout the state in need of a variety of deferred repairs to prevent further deterioration. Typical repairs include roof and siding replacement, electrical upgrades, foundation leveling, and replacement of miscellaneous items such as doors and windows. This request is primarily for roof and siding repairs for facilities located in King Salmon, Bethel, Glenallen, and Tok.

State Agency Americans with Disabilities Act Compliance Projects      FY2003 Request: \$2,500,000  
 Reference No: 6391

AP/AL: Appropriation      Project Type: Renovation and Remodeling  
 Category: Health/Safety  
 Location: Statewide      Contact: Mike Nizich  
 Election District: Statewide      Contact Phone: (907)465-3876  
 Estimated Project Dates: 07/01/2002 - 06/30/2007

**Brief Summary and Statement of Need:**

This project continues the removal of physical barriers to persons with disabilities within state-owned facilities as required by Title II of the Americans with Disabilities Act, Public Law 101-336. Funding covers the cost of design, project administration, and construction. Aside from the legal requirements, removal of physical barriers will negate the need for temporary program modifications which are currently required of the facilities' occupants. OMB allocates available funding to the Department of Transportation (DOT) for state facility ADA compliance projects based upon DOT's prioritized project list. The requested funds will continue work from the statewide priority list.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$2,500,000						\$2,500,000
<b>Total:</b>	<b>\$2,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>

State Match Required     One-Time Project     Phased Project     On-Going Project  
 0% = Minimum State Match % Required     Amendment     Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

\$250.0 GF sec.1, ch.61 SLA 2001, \$250.0 GF sec.1 ch.135 SLA 2000 pg 14 ln 8; \$250.0 GF sec.100 ch.2 FSSLA 1999 pg 48 ln 25; \$4,000.0 AHFC Bond Rcpts to DOT sec.133 ch.139 SLA 1998 pg 120 ln 23; \$250.0 GF sec.82 ch.100 SLA 1997 pg 52 ln 17; \$250.0 GF sec.100 ch.123 SLA 1996 pg 53 ln 11; \$500.0 GF sec.135 ch.103 SLA 1995 pg 34 ln 10; \$2,000.0 GF sec.10 ch.4 FSSLA 1994 pg 6 ln 10; \$4,600.0 GF sec.19 ch.79 SLA 1993 pg 7 ln 10.



**Department of Health and Social Services Deferred  
Maintenance Projects**

**FY2003 Request: \$5,312,600  
Reference No: 36694**

The Department of Health and Social Services is responsible for maintaining 38 state-owned facilities, 25 of which operate as 24-hour facilities and 16 of which are at least 20 years old. These facilities total approximately 550,000 square feet. Of the DHSS projects listed in this bond bill, 13 are for the replacement or repair of plumbing systems or heating and ventilation systems; 9 are for structure-related repairs; 9 are for roof repairs or window replacement; and 1 is for the complete refurbishment and expansion of the Nome Youth Correctional Facility. The remaining projects are for carpeting and floor repair or replacement, painting, and safety and security improvements.

Several youth facility buildings are more than 30 years old. Many structural components have exceeded their life expectancy and are in immediate need of replacement. The Nome Youth Correctional Facility is over 20 years old. The original construction was marginal, and the harsh climate has accelerated wear and tear on this facility. Over \$6 million is requested for the 5 youth detention facilities requiring deferred maintenance funds (including the McLaughlin Youth Center campus in Anchorage).

With the high level of use - oftentimes hard use by youth in the State's custody - many of the Department's 24-hour facilities require a higher level of maintenance more frequently than other facilities and at a higher cost due to the higher standard materials required.

The 6 health centers owned by the Department also receive high level of use by the public and staff. Due to the nature of the services provided through these health centers, it is imperative that they be properly maintained, provide an adequate level of ventilation and heat, and pose no security or safety issues for clients. Nine of the projects listed here will address these types of health center deficiencies.

Name Youth Detention Facility Construction - Phase 2

FY2003 Request: \$3,500,000

Reference No: 35722

AP/AL: Appropriation

Project Type: Construction

Category: Health/Safety

Location: Nome

Contact: Larry Streuber

Election District: Nome, Lower Yukon

Contact Phone: (907)465-1870

Estimated Project Dates: 07/01/2002 - 07/01/2007

**Brief Summary and Statement of Need:**

Expansion of the Nome Youth Facility from six to ten detention beds and renovation of the existing structure is needed. Increasing the capacity to ten beds will reduce the placement of youth outside of the region. Marginal original construction and minimal maintenance, exacerbated by the arctic climate, have left the structure in need of complete renovation.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$3,500,000						\$3,500,000
Total:	\$3,500,000	\$0	\$0	\$0	\$0	\$0	\$3,500,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	660,000	8

**Prior Funding History / Additional Information:**

CH61/SLA01/P19/L28 - \$255.0 GF and \$125.0 Statutory Designated Program Receipts

**Nome Youth Detention Facility Construction - Phase 2**

**FY2003 Request: \$3,500,000**

**Reference No: 35722**

In FY02 the legislature appropriated funds for planning and design in recognition of the severe problems, both from a programmatic and physical plant perspective, evidenced in the Nome Youth Facility (NYF). The redesign of the facility will be completed before the next legislative session. This request is for Phase 2 construction funds that are required to complete the project.

The NYF was constructed in 1981 as a three-bed detention unit and nine-bed community treatment program. Budget cuts closed the facility from 1986-1989 and again in 1996. It reopened in 1999 with reduced staffing as a six-bed community detention program in response to a public demand for services for regional youth who were causing significant community problems. The situation occurred, in part, due to the absence of an immediate detention response for out-of-control youth and a long-term local treatment response for regional youth. These needs have been only partly ameliorated with the current reduced facility program and staffing.

Marginal original construction and minimal maintenance, exacerbated by the arctic climate, have left the structure in need of complete renovation. A recent repair project revealed a section of roof in near collapse due to a deteriorating bearing wall. The structure requires significant redesign to meet the Division of Juvenile Justice's goal of co-locating probation and facility staff as well as to provide flexibility for both secure detention beds and community-based treatment beds. An increase in capacity to ten beds will reduce placement of youth outside the region. Plans to fully reopen the facility were part of the 1997 State of Alaska, DHSS Master Plan for Youth Facilities. Planning and design funds were appropriated in the FY 2002 budget to accomplish the design changes. Construction/renovation costs are estimated at \$3.5 million.

The NYF serves Northwest Alaska, an area the size of Pennsylvania. The region includes Nome with fifteen outlying villages and Kotzebue with eleven outlying villages. The entire population of the region is approximately 15,500, with juveniles ages 5 - 17 comprising approximately 5,000 of the total population.

The NYF currently averages between five and six youth, its rated capacity. The facility population has been maintained at the rated capacity with overflow sent to other facilities and, in some cases, to out-of-state facilities. Expanding the facility to 10 beds would positively impact this situation. The facility has developed an innovative community detention program focusing on early intervention. The goal has been to hold youth more fully accountable at the onset of delinquency and prevent the need for longer-term institutionalization. Positive results have already been witnessed as formerly "institution-bound" youth increasingly are being reintegrated into their communities. The renovation/expansion proposal would support and enhance this promising strategy.

**Department of Military and Veterans Affairs Deferred  
Maintenance Projects**

**FY2003 Request: \$1,009,800  
Reference No: 36768**

**AP/AL: Appropriation  
Category: General Government  
Location: Statewide  
Election District: Statewide  
Estimated Project Dates: 07/01/2002 - 06/30/2007**

**Project Type: Deferred Maintenance  
Contact: Carol Carroll  
Contact Phone: (907)465-4730**

**Brief Summary and Statement of Need:  
DMVA Deferred Maintenance Bond Summary**

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$1,009,800						\$1,009,800
<b>Total:</b>	<b>\$1,009,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,009,800</b>

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required	<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

**DMVA FY03 Deferred Maintenance Bond Project Summary**

- Replace or repair roofs at three armory and base locations. Roofs are leaking and have been patched numerous times.
- Replace old wooden windows at four armory locations and foundation at one armory. Wood in all cases is dry rotting, windows are leaking.
- Repair electrical systems at three armory locations to provide adequate power source and meet code requirements.
- Replace water system at one armory location. Current system requires constant repairs.
- Replace boiler at one armory, to accommodate change from oil to natural gas.
- Repairs to correct drainage, ice-buildup and flooding problems at five armory and base locations.
- Repairs to building ventilation and air conditioning ducts at three base facilities.
- Paving and asphalt repairs at four base locations to prevent further deterioration.
- Multiple repair and replacement projects at the Alaska Military Youth Academy facilities. Projects include asbestos removal, carpet and tile replacement and repair, ceiling repairs, insulation installation, electrical repairs and upgrades, and bathroom renovation.
- Renovation of the dining facility for the Alaska Military Youth Academy. Projects include new cost-effective and energy-saving heating and air ventilation system, furnace replacement, interior lighting, building insulation and metal siding.

**Juneau Readiness Center Joint Venture with University**

**FY2003 Request: \$5,470,000**  
**Reference No: 36625**

**AP/AL: Appropriation**

**Project Type: Construction**

**Category: Health/Safety**

**Location: Juneau Areawide**

**Contact: Phillip Oates**

**Election District: Juneau Areawide**

**Contact Phone: (907)428-6003**

**Estimated Project Dates: 07/01/2002 - 06/30/2005**

**Brief Summary and Statement of Need:**

The National Guard Readiness Center is located in two separate buildings in downtown Juneau. The Army National Guard needs to relocate since the initial lease with the Mental Health Trust expires in 2003. The proposed Joint Facility will serve as both a Readiness Center for the Alaska Army National Guard and a Recreational Complex for the University of Alaska Southeast (UAS). This request is funding for the University of Alaska's portion. Funding for the National Guard Readiness Center is included in the Governor's FY2003 Capital request.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$5,470,000						\$5,470,000
<b>Total:</b>	<b>\$5,470,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,470,000</b>

- |   |  |   |   |
|---|--|---|---|
| <input type="checkbox"/> State Match Required | <input checked="" type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased Project | <input type="checkbox"/> On-Going Project   |
| 0% = Minimum State Match % Required           |  | <input type="checkbox"/> Amendment      | <input type="checkbox"/> Mental Health Bill |

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	29,700	0

**Prior Funding History / Additional Information:**

The University of Alaska's portion of the operating expenses will be covered by student fees.

**Juneau Readiness Center Joint Venture with University**

**FY2003 Request: \$5,470,000**  
**Reference No: 36625**

Based upon the outstanding success of other states, a joint facility serving as both a Readiness Center for the Alaska Army National Guard and a Recreational Complex for UAS is being designed.

This request is for the UAS portion of costs to construct a recreation facility, which will be jointly built and operated through support from the Alaska Army National Guard (AKARNG). The AKARNG, through the Alaska Department of Military and Veterans Affairs, will pay 68% of construction-related costs. UAS's 32% share of construction costs requires bond funding, but the UAS share of operating expenses will be covered by student fees.

This \$5.47 million bond fund request will pay for incremental costs associated with expanding the basic design to include larger parking areas, non-shared locker space for university use, small class/study/gathering areas, enlarging of basketball court and other areas to satisfy university or shared use requirements. The 57,815 square foot facility will be located on university property in close proximity to UAS housing of which 14,378 square feet has been programmed for UAS use.

The 1999 UAS Accreditation Report recommended that securing a full-functioning and equipped student recreation center on the Juneau campus is essential for meeting its full-time enrollment goals. For the past several years student surveys indicate the number one frustration has been the lack of such a facility. With the weather during the academic calendar (September through April) in Southeast Alaska limiting the amount of outdoor activity, students need an indoor recreational facility. Because UAS does not have an athletic program, intramurals are stressed as a viable alternative. Currently students compete for limited space in public school gymnasiums with community volleyball and basketball programs. Student activity programming is given only a few options during the week, many of them late at night severely limiting the needed flexibility and number of program offerings.

Physical education courses fill quickly and have a waiting list as class sizes are necessarily limited by the current space, frustrating students and leading to loss of revenue for the university. This facility will provide formal activity spaces, informal meeting areas, and structured physical education courses. All UAS students will have access to this facility as well, helping to build a sense of community.

The Federal Government, National Guard Bureau requires that states provide the land upon which Armories are built. When the land is available, the National Guard Bureau provides a share in the construction of the facility. In the case of the Juneau Readiness Center, the University has provided the land recognizing the efficiencies of a joint facility while securing a student recreational center on the Juneau campus.

In addition, the Alaska National Guard in the last two years has developed an important educational relationship with the University. Guard members have successfully attended University of Alaska classes due to a new program instituted in FY 2001. This program has encouraged many Guard members to obtain post-secondary educational credits. This relationship with the University has been instrumental in allowing Guard members to meet educational requirements for promotion and retention. Moving closer to the University with a shared facility can only encourage more Guard members to take advantage of the opportunities the University can provide.

Department of Natural Resources Deferred Maintenance Projects      FY2003 Request: \$3,966,500  
 Reference No: 36767

AP/AL: Appropriation      Project Type: Deferred Maintenance  
 Category: General Government  
 Location: Statewide      Contact: Nico Bus  
 Election District: Statewide      Contact Phone: (907)465-2406  
 Estimated Project Dates: 07/01/2002 - 06/30/2007

**Brief Summary and Statement of Need:**  
 DNR Deferred Maintenance Bond Summary

Funding:	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$3,966,500						\$3,966,500
Total:	\$3,966,500	\$0	\$0	\$0	\$0	\$0	\$3,966,500

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required	<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

DNR FY03 Deferred Maintenance Bond Project Summary

Parks Facilities

- Structural repairs in multiple locations to meet code requirements and replace rotten floors.
- Mechanical and heating system repairs and replacements in multiple locations, to reduce threat of fire and bring systems to current code.
- Electrical system upgrades and replacements in multiple locations that do not currently meet code.
- Improve water storage system in one area to augment inferior producing well.

Forestry/Fire Facilities

- Electrical system upgrades and replacements at three locations to meet code requirements.
- Asbestos abatement at one facility (identified in plumbing, ceiling, floors, and sheetrock joints).
- Mechanical, structural and electrical upgrades at four initial attack facilities, to meet current code requirements.
- Roof replacement in one location. Roof is leaking, damming, losing heat and has shingles breaking.
- Window replacement in two facilities. Original windows in one structure installed in 1959 are inefficient and leaking.
- Building insulation replacement, door replacement or building ventilation repairs in four locations.
- Water pipe replacement and drinking water filtering in one location. Copper and lead in water exceed limits for drinking water.

Agriculture Plant Material Center

- Upgrade electrical and mechanical system and backup power supply to meet current code.
- Replace roof on Plant Material Center. Roof has extensive leaks and structural damage requiring replacement to eliminate unsafe condition.
- Replace furnace and boiler to accommodate demand for heat and cooling.

Facilities on State Land

- Provides funds for clean-up of four sites located on state land, including demolishing buildings, asbestos abatement, hazardous materials disposal, underground storage tank removal, soil samples and site grading.

Department of Public Safety Deferred Maintenance Projects FY2003 Request: \$2,147,300  
 Reference No: 36805

AP/AL: Appropriation Project Type: Deferred Maintenance  
 Category: Law and Justice  
 Location: Statewide Contact: Karen Morgan  
 Election District: Statewide Contact Phone: (907)465-4336  
 Estimated Project Dates: 07/01/2002 - 06/30/2007

**Brief Summary and Statement of Need:**

The capital funds requested for this project will be used to make repairs necessary to maintain DPS facilities.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$2,147,300						\$2,147,300
Total:	\$2,147,300	\$0	\$0	\$0	\$0	\$0	\$2,147,300

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

DPS deferred maintenance bond summary:

The Department of Public Safety maintains a statewide presence in order to fulfill its law enforcement mission. The majority of the Department's eight largest facilities are old, aging rapidly, and typically require significant investment to correct serious structural and operating system deficiencies needed to extend their useful lives.

The Department's major facilities on the road system have suffered from a lack of consistent funding for replacing critical infrastructure now past its useful life, such as HVAC systems, roofs and upgraded electrical systems. The Fairbanks building's roof needs to be replaced and the Soldotna building's roof needs major repair.

Facilities in rural locations have much higher maintenance costs. Troopers posted in these facilities frequently have to work within a less than ideal operating environment because of the lack of funding for both corrective maintenance and most importantly, a preventative maintenance program.

Rural Trooper housing maintenance needs include replacing heating fuel tanks, boilers, and plumbing fixtures in the 21 state-owned units maintained by Public Safety. Trooper productivity and morale in rural locations is affected when needed housing repairs and/or modernization are deferred.

Alaska's severe climate conditions have also contributed to the Department's deferred maintenance requirements, with foundation cracks, construction of needed arctic entrances and installation of ceiling and wall insulation. Investment in weatherproofing facilities will produce savings in energy usage.

**Ketchikan Public Safety Building**

**FY2003 Request: \$3,436,000**  
**Reference No: 6267**

**AP/AL: Appropriation**

**Project Type: Construction**

**Category: Public Protection**

**Location: Ketchikan Gateway Borough**

**Contact: Karen Morgan**

**Election District: Ketchikan**

**Contact Phone: (907)436-4336**

**Estimated Project Dates: 07/01/2002 - 06/30/2006**

**Brief Summary and Statement of Need:**

This project replaces the Public Safety Facility in Ketchikan which provides support for all of Southeast Alaska for the Alaska State Troopers and for Fish & Wildlife Protection. Currently, the detachment headquarters, including dispatch, is crammed into the back end of the Department of Transportation's maintenance shop and in a separate trailer. This space is inefficient and has no interview room to protect victims and witnesses among other deficiencies.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$3,436,000						\$3,436,000
<b>Total:</b>	<b>\$3,436,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,436,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	95,000	0

**Prior Funding History / Additional Information:**

\$400,000 Design of New Ketchikan Public Safety Building - Chapter 61, SLA 2001, page 24, lines 4-5.

**PROJECT STATUS**

October 31, 2001: Design contractor bids close.  
November 1 - 7, 2001: Evaluation and selection of successful bidder.  
December 31, 2001: Draft conceptual designs for two lots and draft cost estimates due to DPS/DOT.  
January 15, 2002: Final conceptual designs for two lots and cost estimates due .  
January 16, 2002: DPS/DOT select design and lot.  
June 30, 2002: Complete construction bid package completed, ready for bid July 1, 2002.

**PROJECT DESCRIPTION**

This project provides State funding to construct and equip a 9,905 square foot public safety facility on leased land in proximity to Ketchikan, to house the local posts of the Alaska State Troopers and Fish & Wildlife Protection. The facility will provide work space for twenty-five full-time positions and two positions that will use the facility as a headquarters area such as seasonal aides and vessel crews. The facility will contain office space, an interview room, secured evidence storage, freezer for Fish & Wildlife Protection functions, clerical/dispatch joint area, locker rooms, (particularly necessary due to the marine environment of the Ketchikan post) and a conference/training room. The existing facility does not provide for the processing of items which may contain bloodborne pathogens, and the radio communications equipment is housed in the storage loft of the Department of Transportation maintenance facility where it is subjected to physical damage.

**PROJECT NEED STATEMENT**

The current facility was originally occupied in 1972 by five Department employees. The same unaltered structure of 1,450 square feet is presently being occupied by twenty-five Alaska State Troopers and Fish & Wildlife Protection personnel with no room for seasonal positions. The existing facility is cramped to the point that it inhibits efficient operations. There is no interview room for victims or suspects and investigations are impacted by an inability to confidentially discuss law enforcement matters in an "open" office work space. Evidence is inadequately secured because of a lack of space, which endangers evidentiary material in serious felony crimes. This facility simply does not meet the public's or the Department's current needs in this expanding community. During 1996 a trailer was leased to provide some minimal additional space as a stop gap measure. However, this has proved to be inadequate.

The population of Ketchikan has grown from 6,994 in 1970 to a current estimate of 20,000 at the height of the fishing season and is visited by over 300,000 tourists each year. Cruise ships often deliver over 7,000 tourists in a single day. The opening of the Ferry Maintenance Terminal, Back Island Naval Project and VPSO Program additions in recent years, have expanded the DPS workload in the area. Future projects include the expansion of the Ketchikan Coast Guard facility and expanding housing starts in areas serviced by AST. The impact of these recent changes and known future activity have and will require expanded law enforcement services that simply cannot be based at the current, already inadequate facility.

**DOCUMENTATION OF ESTIMATED CAPITAL COSTS**

The costs below are estimates derived from discussions with the Department of Transportation/Public Facilities, Division of Design and Construction, Southeast Region and recently updated to meet inflation since the original estimate was made.

**PRELIMINARY ESTIMATED CONSTRUCTION COST**

\$3,436,000

There are additional costs that have not yet been calculated, e.g. ITG-related expenses, communications equipment, furnishings, etc.

**ANALYSIS OF ESTIMATED OPERATIONAL COST**

Annual operating costs are expected to be approximately \$95,000 per year over current expenditures. These costs include heating fuel, janitorial contract costs, snow removal costs, and other operating/maintenance costs. This estimate is based upon past DPS experience.

**IDENTIFICATION OF ALTERNATIVES CONSIDERED**

**Ketchikan Public Safety Building**

**FY2003 Request: \$3,436,000**  
**Reference No: 6267**

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Lease a facility from a private contractor. No suitable facilities are presently available, nor are any expected to be available in the immediate future. If it were available, such space is estimated to cost approximately \$2.29 per square foot per month. Thus, the facility would cost \$22,682 per month, \$272,189 per year, and \$8,165,682 over an estimated thirty-year life, even ignoring the impact of inflation. The Alaska State Trooper budget is incapable of sustaining these lease costs.

Do not provide support for law enforcement in the Ketchikan area. This alternative is not acceptable given the DPS statutory responsibilities.

**Public Safety Aircraft Hangars**

**FY2003 Request: \$5,479,100**  
**Reference No: 6137**

**AP/AL: Appropriation**  
**Category: Health/Safety**

**Project Type: Construction**

**Location: Statewide**  
**Election District: Statewide**

**Contact: Karen Morgan**  
**Contact Phone: (907)465-4336**

**Estimated Project Dates: 07/01/2002 - 06/30/2007**

**Brief Summary and Statement of Need:**

Construct two DPS Aircraft Hangars / Storage Warehouses in Anchorage and Juneau.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$5,479,100						\$5,479,100
<b>Total:</b>	<b>\$5,479,100</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,479,100</b>

- |   |   |   |  |
|---|---|---|--|
| <input type="checkbox"/> State Match Required | <input type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased Project | <input checked="" type="checkbox"/> On-Going Project |
| 0% = Minimum State Match % Required           |   | <input type="checkbox"/> Amendment      | <input type="checkbox"/> Mental Health Bill          |

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	209,400	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	209,400	0

**Prior Funding History / Additional Information:**

**Public Safety Aircraft Hangars**

**FY2003 Request: \$5,479,100**  
**Reference No: 6137**

**PROJECT DESCRIPTION**

This project purchases the construction of hangar/storage warehouses in Anchorage and Juneau locations. Seven other locations need similar structures as follows: Aniak, Cold Bay, Dillingham, Fairbanks, King Salmon, Kotzebue, and Nome. Each warehouse would be a heated building of approximately 4,800 square feet with a 60-foot x 17-foot bi-fold door that would accommodate two aircraft, boats, snowmachines, etc. with the exception of Fairbanks and Juneau which would be a heated building of approximately 8,000 square feet with a 65-foot x 17-foot bi-fold door. The Anchorage warehouse would be similar to Fairbanks and Juneau except for approximately 10,500 square feet.

**PROJECT NEED STATEMENT**

These warehouses will reduce harsh winter weather wear and tear on the aircraft parked outside. They will also reduce the trooper pilot's time in preparing an aircraft for flight, shortening search and rescue and village emergency response time with aircraft and engine warm, clean, and ready to go on a short notice. It is estimated that response time will be shortened by thirty minutes in the summer and two hours in the winter. The facilities would be capable of storing department emergency response boats and snowmachines, and could be used as a staging area or command post.

Alaskan winters are harsh and take their toll on equipment left out in the elements if no enclosure is available. The State has an average of \$1.39 million invested in aircraft at each location along with the snowmachines and boats. The warehouses would protect these investments from high winds, ice, snow, and eliminate the time lost in removing covers, shoveling out the aircraft, and melting ice off the aircraft prior to takeoff. In areas of high wind, the pilots must turn the aircraft at its tie-down when the wind changes, sometimes in the middle of the night.

**DOCUMENTATION OF ESTIMATED CAPITAL COSTS**

All warehouses' prices on 4,800 square feet with the exception of Fairbanks, and Juneau at 8,000 square feet, and Anchorage at 10,500 square feet.

The following costs are based on last year's construction estimates.

<u>Project Location</u>	<u>Total Project Cost</u>	<u>Fiscal Year</u>	<u>Amount by Fiscal Year</u>
1. Anchorage (Aircraft: 2-King Air, 1-Cessna 208, 1-Bell 206 Helicopter, 1-Cessna 172, 1-Robinson R44 Helicopter)	\$ 3,046.2	FY03	
2. Juneau (Aircraft: 1 - King Air, 1 - Piper Supercub, 1 - Cessna 185)	2,432.9	FY03	\$5,479.1

Future Project Locations

3. King Salmon (Aircraft: 1 - Piper Saratoga, 1 - Piper Supercub, 1 - Cessna 185, 1 - Robinson R44 Helicopter)	1,801.6	FY04	
4. Cold Bay (Aircraft: 1 -- King Air 200, 1 - Cessna Caravan, 1 - Cessna twin-engine)	1,814.9	FY04	3,616.5
5. Kotzebue (Aircraft: 1 - Cessna 206, 1 - Piper Supercub)	2,156.3	FY05	
6. Aniak (Aircraft: 1 - Cessna 182, 1 - Piper Supercub, 1 - Robinson R-22 Helicopter)	2,179.8	FY05	4,336.1
7. Dillingham (Aircraft: 1 - Cessna 206, 1 - Piper Supercub)	1,801.6	FY06	1,801.6

**Public Safety Aircraft Hangars**

**FY2003 Request: \$5,479,100**  
**Reference No: 6137**

<u>Project Locations</u>	<u>Total Project Cost</u>	<u>Fiscal Year</u>	<u>Amount by Fiscal Year</u>
8. Nome (Aircraft: 1 -- Piper Supercub)	1,841.1	FY07	
9. Fairbanks (Aircraft: 1 -- Cessna 185, 1 -- Piper Supercub, 1 - Robinson R44 Helicopter)	2,396.1	FY07	4,237.2

**ANALYSIS OF ESTIMATED OPERATIONAL COSTS**

The following estimated operational costs per year are based on market prices.

Locations 1 through 9 will incur the following costs:

Heating fuel & electric:	\$150.0
State airport lease (DOT):	35.6
Building maintenance:	23.8
	<u>\$209.4</u>

**IDENTIFICATION OF ALTERNATIVES CONSIDERED**

1. Continue to store equipment outside. This creates delays in response to citizen complaints, suspected on-going violations, crime scenes, and search and rescues during the winter season.
2. Construct warehouses with operating dollars. No operating dollars exist for construction purposes.
3. Lease private hangar space. Operating funds used for this purpose must be drawn from aircraft operating funds impacting public safety and resource enforcement patrols. In many areas, hangar space is very limited and in others it is simply not available..

Department of Transportation and Public Facilities Deferred FY2003 Request: \$16,564,200  
 Maintenance Projects Reference No: 36790

AP/AL: Appropriation Project Type: Deferred Maintenance  
 Category: Transportation  
 Location: Statewide Contact: Frank Richards  
 Election District: Statewide Contact Phone: (907)465-3900  
 Estimated Project Dates: 07/01/2002 - 06/30/2003

**Brief Summary and Statement of Need:**

DOT&PF's Facilities deferred maintenance needs can be grouped into the following general categories: environmental/safety code compliance deficiencies; mechanical code deficiencies; preservation; and facility replacement.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$16,564,200						\$16,564,200
Total:	\$16,564,200	\$0	\$0	\$0	\$0	\$0	\$16,564,200

State Match Required     One-Time Project     Phased Project     On-Going Project  
 0% = Minimum State Match % Required     Amendment     Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

**Department of Transportation and Public Facilities Deferred FY2003 Request: \$16,564,200**  
**Maintenance Projects Reference No: 36790**

DOT&PF's Facilities deferred maintenance needs can be grouped into the following general categories: environmental/safety code compliance deficiencies; mechanical code deficiencies; preservation; and facility replacement.

Environmental/Safety Code Compliance:

Estimated Cost: \$4,291,300

Includes projects necessary to comply with EPA, OSHA, fire and safety codes. The EPA requires installation of oil water separators at 22 facilities and replacement of failed septic systems at others. The state has 14 facilities requiring exhaust system installation, upgrade or replacement to evacuate hazardous fumes from maintenance and welding shops. This category also includes fire sprinkler and alarm system upgrades or replacements required to comply with fire codes.

Mechanical Code Compliance:

Estimated Cost: \$3,577,400

This request includes heating, ventilation, air condition and electrical repair or replacement at 35 facilities to comply with mechanical codes. In several locations the facility electrical requirements now exceed capacity, including the DOT&PF Aviation Complex in Anchorage where circuits are dangerously overloaded.

Preservation:

Estimated Cost: \$8,195,500

Included in this request is the preservation, restoration, renovation and energy upgrade efforts necessary to extend facility life-cycle and/or usefulness of many buildings. There are 18 facilities with major roof repair or replacement necessary to preserve the rest of the structure. The renovation of the deteriorated Oil and Gas Building in Anchorage will provide long-term office space and allow Measurement Standards/Commercial Vehicle Enforcement to move out of leased offices.

Facility Replacement:

Estimated Cost: \$500,000

The Griffin Building on Kodiak Island has sufficient water damage and code deficiencies to warrant replacement. Restoration would require a new roof, new windows, complete mechanical upgrade, wall repairs and foundation work.

**University of Alaska Deferred Maintenance Projects**

**FY2003 Request: \$5,730,000**  
**Reference No: 36617**

**AP/AL: Appropriation**

**Project Type: Deferred Maintenance**

**Category: University**

**Location: Statewide**

**Contact: Pat Pitney**

**Election District: Statewide**

**Contact Phone: (907)474-5889**

**Estimated Project Dates: 07/01/2002 - 06/30/2005**

**Brief Summary and Statement of Need:**

This list represents the FY03 project requests UA currently views as highest priority. Many circumstances may affect priorities throughout the next eight months and it is possible that other priorities within the highest priority safety, Code, R&R and DM projects and small renovation projects for effective space use in the UA BOR Capital project request may take precedence at the point of distribution.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$5,500,000						\$5,500,000
Univ Rcpt	\$230,000						\$230,000
<b>Total:</b>	<b>\$5,730,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,730,000</b>

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

Boiler Replacement/Renovation  
GF \$673.0 NGF \$0 TOTAL \$673.0

Boiler Replacement (Prince William Sound Community College)  
· The existing Kewanee boilers are 20 years old and have exceeded their useful life. The specific boiler units in place have been discontinued and parts are no longer available. The boilers have failed on a regular basis. The interim solution utilizes control and burner parts that are not completely compatible, which results in a system that is not running at full capacity or efficiency. For a reasonably functional heating system on the campus, the current boilers must be replaced.

Benny Benson Boiler Renovation (Kodiak)

· The existing Benny Benson boiler room is located in a sub-basement room next to the main entrance of the building. The Burham boiler is 17 years old and has exceeded its expected life cycle use. The installation of parts for the repair and replacement of controls and early vintage pump and motors requires substantially more effort and cost than normal because the newer components require modifications as does the existing system, just to maintain operation. The scope of this work would include abandonment of the existing boiler room and construction of a replacement boiler room located for safety reasons, in the rear of the Benny Benson Building.

*Fire Safety*

GF \$520.4 NGF \$0 TOTAL \$520.4

Auke Lake Fire Panel Replacement (Juneau)

· This project will replace an aging fire detection and alarm system that serves seven buildings on the Auke Lake campus.

Auto Diesel Fire Sprinkler System (Anchorage)

· This project would install an automatic fire sprinkler system in the Auto/Diesel Technology Building. Specific tasks include site work, installation of a new water service line to the building, installation of a fire sprinkler system including all valves, piping, sprinkler heads, alarm components and appurtenances for a complete and usable system, system testing and flushing, construction of an interior enclosure for the fire sprinkler system riser and installation/connection to the central fire reporting system.

Fire Access Road Repair (Mat-Su)

· This project rebuilds the existing fire access roadway. The current roadway is too steep and the curves are too sharp. The revised pathway will enhance access for service vehicles and emergency equipment.

Arctic Health Research Building Laboratory Revitalization Phase 1 of 2 (Fairbanks)

GF \$2,027.9 NGF \$0 TOTAL \$2,027.9

· The Arctic Health Research Building (AHRB) Laboratory revitalization project will renovate a portion of existing inefficient/under utilized AHRB lab support space to satisfy unmet demand for appropriately sized and equipped laboratory research and support space. This revitalization is intended to satisfy current and anticipated code requirements, HVAC, electrical and data communications systems in the most cost effective manner.

Elevator Safety And Modernization Upgrades Phase 2 of 4 (Fairbanks)

GF \$430.0 NGF \$0 TOTAL \$430.0

· The Fairbanks campus has 51 existing elevators with an average age of 24 years. In July 2000, Facilities Services hired an elevator consultant to survey 26 of the oldest machines on campus. The consultant's report identified the need of \$2.0M to address Code, ADA, Safety, and Deferred Maintenance elevator-related work on campus. This request will fund Phase 2 of a four-phase effort. Phase 1 was completed in FY01 with operating funds.

Classroom Completion (Sitka)

· This project will complete the work begun in an earlier phase of construction. Currently, walls are framed and electrical and mechanical rough-ins are complete. This next phase will install wall, ceiling and floor finishes, restroom fixtures, interior doors and windows, and complete electrical and HVAC installation. The area to be completed for utilization is 5,288 square feet. This funding request is \$548,700 GF and \$230,000 NGF (City and Borough of Sitka).

State of Alaska Capital Project Summary

FY2003 Deferred Maint Bonds

1/29/02 8:56:23 AM

Classroom Expansion - Ward Building (Kenai Peninsula College)

· The sidewalks, pony wall structure and inner exterior wall section of the main building are fail-ing and require major modification. The Ward Building glass enclosed pedestrian entrance walk-way and the exterior structural wall of the walkway have deteriorated due to excessive moisture, failure of mechanical/electrical openers and failing heat units. This capital request is for the additional funding required to replace the existing walkway, replace the exterior wall sections, provide a new building entrance, remodel the two affected classrooms, and upgrade the electrical mechanical system within the work area. This funding request is \$850,000.

Snodgrass Classroom Renovation (Mat-Su)

· This project will reconfigure the space the Snodgrass Building has been vacated as a result of the additional space available in the Oakenson Warehouse. The space will be reconfigured to meet the academic needs and programmatic direction of Mat-Su College including math and science classrooms. This funding request is \$450,000.

**University of Alaska Americans with Disabilities Act  
Compliance Projects**

**FY2003 Request: \$2,500,000  
Reference No: 36810**

**AP/AL: Appropriation  
Category: Health/Safety**

**Project Type: Renovation and Remodeling**

**Location: Statewide  
Election District: Statewide**

**Contact: Pat Pitney  
Contact Phone: (907)474-2602**

**Estimated Project Dates: 07/01/2002 - 06/30/2007**

**Brief Summary and Statement of Need:**

This project continues the removal of physical barriers to persons with disabilities within state-owned facilities as required by Title II of the Americans with Disabilities Act, Public Law 101-336. Funding covers the cost of design, project administration, and construction. Aside from the legal requirement, removal of physical barriers will negate the need for temporary program modifications which are currently required of the facilities' occupants. This project will address University of Alaska's priority projects under the act.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$2,500,000						\$2,500,000
<b>Total:</b>	<b>\$2,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input checked="" type="checkbox"/> On-Going Project
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

**Alaska Court System Deferred Maintenance Projects**

**FY2003 Request: \$3,735,000**  
**Reference No: 35899**

**AP/AL: Appropriation**

**Project Type: Deferred Maintenance**

**Category: Law and Justice**

**Location: Statewide**

**Contact: Rhonda McLeod**

**Election District: Statewide**

**Contact Phone: (907)264-8215**

**Estimated Project Dates: 07/01/2002 - 07/01/2007**

**Brief Summary and Statement of Need:**

High priority repairs to building components that have not been sufficiently maintained and whose condition threatens longevity of the building.

**Funding:**

	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	Total
Lease Bond	\$3,735,000						\$3,735,000
<b>Total:</b>	<b>\$3,735,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,735,000</b>

- |   |   |   |  |
|---|---|---|--|
| <input type="checkbox"/> State Match Required | <input type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased Project | <input checked="" type="checkbox"/> On-Going Project |
| 0% = Minimum State Match % Required           |   | <input type="checkbox"/> Amendment      | <input type="checkbox"/> Mental Health Bill          |

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

**Prior Funding History / Additional Information:**

**Alaska Court System Deferred Maintenance Projects**

**FY2003 Request: \$3,735,000**  
**Reference No: 35899**

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The Alaska Court System occupies facilities in 46 communities throughout the state. In twelve locations the court is housed in state owned buildings. These buildings total approximately 800,000 gross square feet. Most of these buildings were constructed between the late 1960's and mid 1970's. Since completion, these buildings have received minimal maintenance and no major repair or replacement of roofing, finishes or major building systems. In an effort to extend the life of these 30+ year old buildings, most of the projects listed for this bond bill address these long-time deferred maintenance issues.

Seven of the projects are for roof replacement, two projects are for repairs to structural systems, three are for major repairs to heating and ventilation systems, two are for repairs to lighting and electrical systems, with the balance of the funds proposed to be used to replace worn carpeting and floor finishes that are unsafe. The court has prioritized these projects according to the urgency associated with building failure if the repairs are not funded; e.g., roof failure can result in failure of many other structural components and destruction of finishes.

Another key component of the court's request is for the renovation of the Kotzebue courthouse. This facility, constructed in 1972, requires major remodeling and systems' replacement (new heating, ventilation, electrical wiring, and replacement of finishes). To provide adequate courtroom and jury assembly space, this facility also requires approximately 1500 square feet of expansion.

The final piece of the court's requests is for the redesign and remodeling of existing courtroom bench configurations in Fort Yukon, Tok, Valdez, Juneau, and Delta Junction. These changes are needed to provide adequate space for clerks, witnesses and judges in the courtroom, and to comply with the Americans with Disabilities Act (ADA). The present space and configuration does not provide space for placement of equipment necessary in the courtroom (computers for clerks and judges, printers and recording equipment). Without a standard courtroom workspace design, productivity is reduced. ADA access is required for witness and juror boxes. Without making required changes to these areas in the courtroom, the state is not in compliance.

## Certificates of Participation For Facility Deferred Maintenance (HB 364/365, SB 261/262)

Governor Knowles' proposal for financing essential deferred maintenance projects for state-owned facilities (HB 364/365, SB 261/262) would authorize debt financing using certificates of participation (COPs). This type of financing has been used by Alaska for many state facilities including API, the Court Plaza building, and the Spring Creek correctional facility. COP financing has also been used by many other states for a variety of purposes, and has been used by at least two states (Georgia and Virginia) specifically for facility deferred maintenance projects.

Some questions have been asked about the mechanics of using state facilities as security or collateral for the COP financing approach. Securing COPs with state-owned facilities is standard procedure across the country and is a normal part of this type of financing. The risk that the State of Alaska would default on the COP financing is extremely remote.

The most cost-effective approach to providing security for deferred maintenance COPs on dozens of facilities around the state is to select a few larger buildings, rather than use every building to be repaired. This pooling arrangement minimizes the issuance costs for the financing and in no way increases the risk to the state. The most likely buildings to be selected for the security include the State Office Building, the Alaska Office Building, and the Dimond Courthouse in Juneau, and the Fairbanks Regional Office Building.

In evaluating whether to use general obligation (G.O.) bonds or COPs for this deferred maintenance proposal, the administration selected the COP financing approach for the following reasons:

- Funding of high-priority deferred maintenance projects is essential if state-owned facilities are to be kept in habitable and safe condition. Continued postponement of essential repairs will result in even more expensive emergency repairs or outright closure of facilities in the future as buildings continue to deteriorate. Four DOT/PF highway maintenance stations have already been closed and vacated because they were too dangerous to occupy.
- Using COPs would allow these essential deferred maintenance repairs to begin during the 2002 construction season. If G.O. bonds were used instead, most of the repairs could not begin until the 2003 outdoor construction season because the bonds would not be approved until November.
- Adding G.O. bonds for deferred maintenance to the ballot along with schools and potentially other projects could "overload" the ballot and reduce the chances of voter approval.

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**Deferred Maintenance,  
Replacement and Expansion of State Facilities:  
\$157 Million in Certificates of Participation  
(HB 364/365, SB 261/262)**

As a result of long-standing budget constraints, many state-owned buildings, including Pioneers' Homes, prisons, and office buildings, have accumulated a considerable backlog of deferred maintenance. These facilities are in serious need of repair, major maintenance, and renovation to keep the facilities safe for occupancy and extend their useful lives. In 1998, the Legislative Deferred Maintenance Task Force determined that deferred maintenance on state-owned buildings, not including University of Alaska buildings, totaled over \$169 million. The University of Alaska has identified \$128 million in deferred maintenance needs for University facilities.

It is becoming increasingly critical to address these deferred maintenance needs. Failure to do so will result in an increasing risk to the safety of the public and state employees, and further increase the cost of future repairs as facilities continue to deteriorate.

This financing proposal would authorize the issuance of \$157 million in certificates of participation (COPs) to fund deferred maintenance projects statewide. With current tax-exempt interest rates at very low levels, now is an excellent time to finance these deferred maintenance projects. Projected debt service is \$14.8 million per year beginning in FY 04, based on 15 year financing and an interest rate of 4.9 percent.

**Major elements of this deferred maintenance plan include:**

- \$12.2 million for repairs and renovations for all of the Pioneers' Homes across the state;
- \$8.8 million for deferred maintenance projects in health clinics and juvenile justice facilities, including a renovation and expansion of the Nome youth detention center;
- \$25.8 million for repairs to adult correctional facilities;
- \$11.1 million for State Trooper and Fish and Wildlife Protection facilities;
- \$20.2 million for repairs to facilities maintained by the Department of Administration, including repairs to roofs, elevators, water and electrical systems;
- \$16.6 million for deferred maintenance for facilities maintained by the Department of Transportation and Public Facilities, including repairs to office buildings, courthouses, and highway maintenance stations;
- \$5.5 million for University of Alaska facilities;
- 2.5 million each for ADA projects at the university and state facilities.
- \$4 million as the state share of construction costs for veterans' housing.

## **Understanding the FY2003 Budget – Facility Deferred maintenance, Replacement and Expansion**

The proposed appropriation of the bond proceeds by department for deferred maintenance projects is:

<b><u>Department</u></b>	<b><u>Appropriation (\$millions)</u></b>
Administration	\$19.4
Administration--Pioneer's Homes	\$12.2
Corrections	\$25.8
Education and Early Development	\$8.9
Fish and Game	\$1.4
Governor (statewide ADA)	\$2.5
Health and Social Services	\$5.3
Military and Veterans Affairs	\$1.0
Natural Resources	\$4.0
Public Safety	\$2.1
Transportation and Public Facilities	\$16.6
University of Alaska	\$7.4
University ADA	\$2.5
Court System	\$3.7

In addition to these deferred maintenance projects, the following amounts are appropriated for facility replacement and expansion projects:

<b><u>Department</u></b>	<b><u>Project</u></b>	<b><u>Appropriation (\$millions)</u></b>
Administration	Veterans' housing	\$4.0
Transportation and Public Facilities	Replace 4 Unsafe Highway Maintenance Stations	\$20.7
Education and Early Development	Land acquisition and expansion planning for state museum	\$2.0
Health and Social Services	Nome youth detention facility renovation and expansion	\$3.5
Public Safety	Ketchikan facility replacement	\$3.4
Public Safety	Hangar construction in Anchorage and Juneau	\$5.5
Military and Vets. Affairs	Juneau readiness center/ UAS student activities center joint facility	\$5.5

For a detailed listing of all projects, click [here](#). (Downloadable Excel file.)

Click [here](#) for detailed project information on the following projects: veterans' housing, Nome youth corrections center, Ketchikan, Public Safety building, Public Safety aircraft hangars, Juneau National Guard Readiness Center/UAS joint facility, and State Museum Land Acquisition & Expansion Planning.

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
1	Administration	State Office Bldg. - Roof replacement	960.0	Replace deteriorated roof (main, stairwell and penthouse roofs) & remove obsolete window track. The roof has exceeded its service life and continued and increased leaks will be expected.
2	Administration	State Office Bldg. - Replace skylight gaskets and flashing	42.0	Replace gaskets and flashing located at skylights to eliminate leaking. Project will eliminate water leaks which dramatically reduce the structure's service life and cause damage to building contents.
3	Administration	State Office Bldg. - Elevator renovation	1,788.2	Repair and modernize existing elevators. Chronic breakdowns and service level problems have plagued these elevators for years. The repairs will not only increase the facility's efficiency and staff productivity but allow the facility to conform to federal ADA requirements.
4	Administration	State Office Bldg. - Water line replacement	900.0	Replace galvanized steel domestic water piping with copper. Piping is corroded to the point that if nothing is done a catastrophic failure will occur in the near future which will affect all fixtures, equipment and building contents.
5	Administration	Dimond Courthouse - Replace waterlines	250.0	Replace leaking waterlines. Leaks damage structure as well as the building's contents - complete failure will occur if lines are not replaced.
6	Administration	Dimond Courthouse - Roof replacement	300.0	Roof has leaks and has exceeded its service life. Continued repairs are not cost effective. Replacing the roof and removing window track will eliminate leaks that are dramatically reducing the building structures service life and causing collateral damage.
7	Administration	Douglas Island Bldg. - Curtain wall replace	1,358.0	Replace curtain wall/window system which is constantly leaking causing damage to structure as well as its contents. Additionally, due to the current condition of the structure and heat loss the building systems are unable to maintain adequate working temperatures.
8	Administration	Dimond Courthouse - Window seals	30.0	Repair broken window seals throughout the building, which are leaking causing damage to structure and building's contents.
9	Administration	Dimond Courthouse - Curtain wall repair	280.0	Curtain wall is leaking heavily and causing damage to structure as well as its contents. If repair is not completed the structure's service life will be shortened and the building's contents will be damaged.
10	Administration	Fbks. Regional Office Bldg. - Replace roof	902.4	Replace roof (if required upon completion of testing). Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.
11	Administration	Douglas Island Bldg. - Roof replacement	300.0	Roof has exceeded its service life and leaks are constant. Replacing the roof will eliminate leaks that are dramatically reducing the building structures service life and causing collateral damage to the building contents.
12	Administration	State Office Bldg. - Asbestos abatement	2,019.4	Abate asbestos materials in critical areas of the building. Repairs make the facility more functional as remodels can be completed for a fraction of the cost and the health of workers and visitors will be protected and potential health liability reduced.
13	Administration	Archives/Records Bldg. - Roof replacement	130.0	Replace deteriorated roof. Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.
14	Administration	Public Safety Bldg. - Replace roof	240.0	Replace roof which is leaking in many areas. Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.
15	Administration	State Office Bldg. - Replace skybridge roof	90.0	Replacement of roof is necessary to reduce leaks and high maintenance costs and reduce the damage being caused to the structure.
16	Administration	State Office Bldg. - Replace temporary fuel oil storage tank	25.0	Temporary tank is corroded and is causing heating failures and is a potential fuel spill liability.
17	Administration	Governor's House - Replace emergency generator	35.0	Generator has exceeded its service life and is not reliable and does not adequately protect the building from freezing up during power outages. Current system does not provide the minimum amount of power to sustain primary building systems.
18	Administration	State Office Bldg. - Replace window gaskets	6.0	Replace gasket at windows at Sr. Services - 7th floor. If not repaired water leakage will continue to damage the structure and its contents.
19	Administration	State Office Bldg. Parking Garage - Add fireproofing	68.4	Replace missing fireproofing at steel structure to protect the garage and adjoining SOB structure from fire. Current conditions create a liability to the structure and occupants in the event of a fire.
20	Administration	AK State Museum - Replace canopy roof	100.0	Replace deteriorated canopy roof. Entrance canopies are failing causing potential risks to visitors and building occupants.
21	Administration	Community Bldg. - Replace boiler	240.0	Replace hot water tube boiler. Without replacement facility will continue to risk boiler failure creating untenable conditions and freezing of waterlines.
22	Administration	Dimond Courthouse - Repair water gutters	8.0	Repair water gutters - west side of building. Unless the repair is completed water will continue to cause damage to the structure and the building's contents.
23	Administration	State Office Bldg. - Fire sprinkler system	1,080.0	Install fire sprinkler system for floors 9, 10, 11 per UBC. Until repair is completed facility will not comply with local and national building codes and regulations. Failure to install the systems increases the risk of fatalities in the event of a fire

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond	
Priority	Department	Project Title	Amount (\$000)	Project Description
				Total cost is in parentheses if other funds will be included.
24	Administration	Dimond Courthouse - Replace boiler	150.0	Replace old unreliable and constantly malfunctioning boiler. Without boiler replacement the facility will continue to risk boiler failure and freeze up of the building's water lines and make the facility untenable.
25	Administration	State Office Bldg. - Upgrade seismic protection at elevators	127.2	Add seismic retrofits to four elevators. During a seismic event catastrophic elevator failure could occur without this safety upgrade and result in possible loss of life.
26	Administration	State Office Bldg. - HVAC	264.0	Test and rebalance the entire HVAC system. Unless procedure is completed facility will continue to operate inefficiently and cause discomfort for the facilities occupants.
27	Administration	All Juneau Facilities - Preventative Maintenance Program	30.0	Provide computerized reactive work order and preventative maintenance plan. System will improve maintenance response times, work tracking and reporting. A program of this type for the quantity of facilities is common practice nationwide.
28	Administration	Atwood Bldg. - Heating coils - interior air quality	153.6	Install new heating coils for ventilation system to improve interior air quality and building operating efficiency.
29	Administration	Capitol Bldg. 3rd Floor - A/C, heat repair/replace	15.0	Repair/replace air-conditioning and heating system (Gov. office, conference room, etc). Repair will improve interior air quality and operating efficiency.
30	Administration	Capitol Bldg. 3rd Floor - Standby power	55.0	Rewire standby power for the Governor's Office. Repair will ensure power for the Governor and staff during power outages or emergency situations.
31	Administration	Fbks. Regional Office Bldg. - Window repairs	18.0	Recaulk exterior windows to seal structure's interior from the elements. Repair will reduce damage caused to the structure by the weather and make the facility more efficient and comfortable.
32	Administration	State Office Bldg. - Replace fire alarm system	1,800.0	Current life/safety system does not comply with current codes and regulations. Failure to replace the system could result in failure to adequately provide and inform building occupants and visitors of building emergencies.
33	Administration	AK State Museum - Replace missing light pole	2.0	Replace parking lot light pole. This repair will reduce the odds of accidents and improve safety during hours of darkness.
34	Administration	AK Office Bldg. - Repair/replace restroom plumbing	43.0	Repair/replace restroom plumbing lines to eliminate failures and reduce the risk of catastrophic failure which will damage the structure and the its contents.
35	Administration	All Juneau Facilities - Electrical infrared testing	84.0	Perform infrared test on all electrical systems and perform necessary repairs. Repair will increase operating efficiency and reduce the number of electrical failures, code violations and reduce potential liabilities.
36	Administration	Dimond Court House-Repair Fin tube	5.0	Fin tubes require repair to provide adequate heating to the occupants.
37	Administration	Capitol Bldg. 3rd Floor - Replace controls	4.0	Replace all radiator controls with more efficient and effective units.
38	Administration	Capitol Bldg. 3rd Floor - Replace sewer lines	5.0	Replace all sewer lines at the restroom to reduce failure and improve functionality.
39	Administration	Public Safety Bldg. - Fuel tank infiltration	3.6	Repair grade of asphalt to prevent water seeping into fuel tank. Repair will reduce heat outages when boiler is overwhelmed by non-combustible material.
40	Administration	Public Safety Bldg. - Replace roof exhaust	3.6	Replace (1) ventilator at roof for exhaust fan. Repair will improve indoor air quality standards and improve the facilities operating efficiency.
41	Administration	Dimond Courthouse - Install zone valves	8.0	Install digital zone valves which will improve heating, ventilating and air conditioning performance and daily maintenance of system.
42	Administration	Douglas Island Bldg. - Electrical study	24.0	Perform engineering study of electrical system. Analysis is needed for effective building management decisions.
43	Administration	Douglas Island Bldg. - Install second boiler	60.0	Installation of a second boiler will provide back up heat in the event of failure to the existing unit. Unless backup heat is provided there is a significant risk the building will freeze up during often extreme weather conditions.
44	Administration	Public Safety Bldg. - inventory and rework electrical	30.0	Investigate and rewire, increase quantity of panels, breakers, etc as needed. Repair will increase operating efficiency, reduce the number of electrical failures and reduce the potential for electrical fires.
45	Administration	State Office Bldg. - Rebalance fans	4.8	Rebalance supply fans 1-6. This procedure is overdue and standard operation for a facility of this size. Rebalancing the fans will improve ventilation.
46	Administration	AK State Museum - Abate asbestos	250.0	Abate asbestos in critical areas to reduce health risk to facility maintenance staff and allow occupants to better utilize the building.
47	Administration	Capitol Bldg. 3rd Floor - Electrical Investigation	10.0	Investigate electrical problem with corridor lights. Analysis is needed for effective management decisions and to reduce the potential of electrical fires.
48	Administration	Gold street Parking - Resurface deck	100.0	Resurface top parking deck and repair / replace lighting. Repairs will extend the structure's service life, reduce the chance of accidents, and improve structure's safety during hours of darkness.
49	Administration	AK State Museum - Repair wall leak	10.0	Investigate and repair leak at south wall. Repair will seal structure from the exterior elements, prolonging service life, increasing building comfort and eliminating damage to building contents.
50	Administration	Dimond Courthouse - Replace doors	15.0	Replace deteriorated mechanical room doors located in the penthouse. Replacement will provide doors that work and meet fire code requirements.
51	Administration	Douglas Island Bldg. - Replace valves	16.8	Replace 4 zone mixing valves. Replacement will improve facility's operating efficiency and reduce the odds of catastrophic failure.
52	Administration	Fbks. Regional Office Bldg. - Entrance grating	97.2	Replace entrance anti-slip grating and matting. Replacement will reduce the chances that the public or workers are injured by slips and falls.

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond	
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
53	Administration	Governor's House - Replace stucco/paint	305.0	Replace deteriorating stucco and paint. Repair will extend the service life of the structure.
54	Administration	Governor's House - Replace windows	80.0	Replace exterior windows. Existing windows are inefficient and difficult to repair - repair will improve structure's operating efficiency.
55	Administration	State Office Bldg. - Recaulk exterior panel joints	225.0	Recaulking exterior panel joints was not completed when structure was pressure washed and sealed in FY01 due to the discovery of asbestos and a resultant increase in the project's costs.
56	Administration	State Office Bldg. - Replacing mixing valves	22.8	Replace mixing valves - north and south sides central heating (24 each). Replacement will improve facilities operating efficiency and reduce the odds of catastrophic failure.
57	Administration	State Office Bldg. - Chiller refrigerant	666.0	Modify/replace chiller for non-CFC refrigerant. Repair is required for code compliance and efficient operation of facility. In the future current refrigerant will no longer be available.
58	Administration	All Juneau Facilities - Improve public signs	72.0	Improve exterior and interior signage for public identification (building, offices and parking lots)
59	Administration	Atwood Bldg. - Replace plaza	600.0	Current plaza leaks to the underground garage. Repair will increase structural service life and eliminate corrosive leaks impacting vehicles parked in the garage.
60	Administration	Court Plaza Bldg. - Install floor drains in r/r	96.0	Install floor drains in all building restrooms to reduce the potential for damage to interior finishes and equipment due to floods and reduce the risk of injury due to slips and falls.
61	Administration	State Office Bldg. Parking Garage - Repair decks	336.0	Repair and reslope exposed concrete decks for better drainage; repair interior leaks
62	Administration	State Office Bldg. Parking Garage - Ramp repairs	300.0	Replace deteriorated sections of parking garage ramps. Repair will improve structure's service life and reduce the risk of accidents caused by rutted ramps.
63	Administration	AK Office Bldg. - Remove equipment	8.4	Remove power filter equipment that was abandoned in place. Repair will improve building efficiency and increase working space in mechanical areas.
64	Administration	AK State Museum - Pressure wash & seal exterior	55.0	Pressure wash and seal building's exterior and recaulk panel joints. Repair will increase structure's service life and improve its appearance.
65	Administration	AK State Museum - Replace/repair rock wall	40.0	Repair/replace rock wall which is disintegrating.
66	Administration	Court Plaza Bldg. - HVAC Upgrades	205.2	Balance HVAC system and modify system for compliance with building codes. Repair will improve facilities efficiency and improve interior air quality.
67	Administration	Diamond Courthouse - Repair plaza leaks	150.0	Repair leaks from the plaza which are filtering into underlying workspaces. Repair will increase structures service life and improve interior work space.
68	Administration	Public Safety Bldg. - Pressure wash building	3.6	Building requires pressure washing to remove algae and dirt buildup. Repair will improve structures appearance and service life.
69	Administration	Archives/Records Bldg. - Repair concrete walls	5.0	Repair deteriorated concrete wall. Repair will improve structures appearance and service life.
70	Administration	Douglas Island Bldg. - Lighting and ceiling upgrade	240.0	Replace ceiling and lights with energy efficient lighting. Repair will dramatically improve facility's energy efficiency and improve interior lighting quality.
71	Administration	Fbks Regional Office Bldg. - Paint exterior	112.8	Paint building exterior. Repair will increase structure's service life and improve appearance.
72	Administration	Public Safety Bldg - Replace broken windows	9.6	Replace broken windows. Repair will increase building's efficiency and safety and improve work space.
73	Administration	Governor's House - rock wall and fence repairs	120.0	Existing wooden fence needs replacing. Repair will improve facility's appearance.
74	Administration	Public Safety Bldg - Replace HVAC unit	12.0	Replace HVAC unit for 1st floor. Repair will improve building's efficiency and improve interior air quality.
75	Administration	Fbks Regional Office Bldg - Lighting upgrade	97.2	Increase lighting in common hallway areas. Repair will reduce the risk of accidents and provide a better work environment.
76	Administration	Diamond Courthouse - Generator exhaust	50.0	Redirect generator exhaust to unoccupied location. Existing placement of exhaust is not suitable and presents a health risk.
77	Administration	Fbks Regional Office Bldg - Replace c/dg system	63.6	Replace deteriorated common hallway area ceiling system.
78	Administration	Atwood Bldg - Replace ceiling system	38.4	Replace elevator lobby ceiling system. Repair will provide easier access by maintenance staff.
79	Administration	Atwood Bldg - Modify filter bank	21.6	Modify filter bank to allow for a tighter fit of the filters and improve the overall function of the filter bank.
80	Administration	Court Plaza Bldg - Remove equipment	30.0	Remove abandoned restaurant equipment located on the roof. Repair will increase roofing system's service life and improve facility's operating efficiency.
81	Administration	Public Safety Bldg - Replace garage door	12.0	Replace existing garage door with new larger size. Repair will improve storage areas functionality and increase the facilities efficiency.
82	Administration	State Office Bldg - Renovate entrance	24.0	Renovate deteriorated Willoughby Street entrance.
83	Administration	State Office Bldg - Repair cargo doors	18.0	Repair cargo bays on 7th floor. Repair will increase dock facilities effectiveness and reduce the potential of worker injury.
84	Administration	State Office Bldg - Security upgrade	36.0	Replace (2) roll-up security gates on 8th level plaza
85	Administration	State Office Bldg - Security upgrade	639.6	Rekey building with card key access system. Repair will improve building's security and enhance safety for employees and the public.
86	Administration	State Office Bldg - Replace worn carpet	180.0	Replace severely worn and torn carpet in corridors, elevator lobbies; safety hazard. Repair will reduce the potential for injury due to slips and falls.

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond Amount	
Priority	Department	Project Title	(\$000)	Project Description Total cost is in parentheses if other funds will be included.
87	Administration	Fbks Region 1 Office Bldg - Carpet replacement	34.2	Replace the most severely worn and torn carpet; safety hazard. Repair will reduce the potential for injury due to slips and falls.
<b>Department Total</b>			<b>19,448.2</b>	
1	Administration Pioneers' Homes	JPH Building - Exterior refinishing/foundation drain repairs	231.0	Exterior bldg. wall surfaces are damaged and delaminating due to long term mold & algae growth; causing further wall surface deterioration and eventual interior wall damage that require repairs to resolve condition and foundation perimeter requires drain.
2	Administration Pioneers' Homes	SPH SCU Renovation, 3rd Floor West, Core, South sections	525.0	The common areas and rooms in these areas have not been renovated for 30 years and have deteriorated considerably.
3	Administration Pioneers' Homes	KPH Bldg. Drainage modifications	25.8	Rain water accumulates in parking lot and adjacent bldg. foundation due to lack of proper drainage, requiring extending drainage ditch between sidewalk and parking lot to eliminate resident and staff falls from icing and foundation deterioration.
4	Administration Pioneers' Homes	FPH Aurora entry door upgrade	20.4	Exterior entry doors directly adjacent to resident rooms, that must be used for deliveries and emergency vehicles, must be propped open in extremely cold weather, requiring electronic door openers to protect residents from extreme conditions.
5	Administration Pioneers' Homes	PPH I Bathroom remodel	15.0	Two resident bathrooms are inadequately sized for residents with wheelchairs to manage; resulting in falls - requiring they be converted into one unisex bathroom to eliminate injury during use.
6	Administration Pioneers' Homes	APH Special Care Unit Bathing rooms, South Bldg.	144.8	South Bldg. SCU's lack bathing rooms to meet residents needs to ensure safe assisted bathing functions - requiring two rooms be converted to bathing rooms to meet their needs
7	Administration Pioneers' Homes	APH 1st Floor Dining Rm. Renovation	25.9	Existing South Bldg. dining room access is not distinguishable to confused residents, requiring wall be opened to corridor to reduce residents' anxiety and wandering.
8	Administration Pioneers' Homes	KPH SCU Bathing Rm., 3rd Floor	98.3	Residents can no longer bathe independently, resulting in unsafe bathing practices in small, inaccessible bathrooms - requiring a larger bathing room to reduce danger to residents and staff injuries in bathing activities.
9	Administration Pioneers' Homes	FPH SCU Mooswood Renovation	150.0	Renovations will provide a safe SCU for ADRD residents who are no longer able to care for themselves.
10	Administration Pioneers' Homes	FPH SCU Aurora Dining/Physical Therapy Conversion	175.0	Resident care areas do not have adequate space to perform proper care requiring space modifications to provide safe and appropriate services to residents.
11	Administration Pioneers' Homes	FPH SCU Activity Area Relocation	31.1	The small area for required resident activities and storage of supplies is inadequate. Requiring space renovation to eliminate problem and enable delivery of necessary activities to residents.
12	Administration Pioneers' Homes	PPH SCU Sunny Loop Renovation	417.5	This resident care area does not meet the ADRD needs of residents. Requiring it be separated into two resident living areas with appropriate bathing, eating, and activity areas. Enabling residents to be served according to their special needs.
13	Administration Pioneers' Homes	PPH SCU Homestead Trail Bathing Rm. Upgrade	39.4	Existing bathing room is claustrophobic. Resulting in difficulty in encouraging ADRD residents to bathe with old fixtures and inadequate lighting - requiring modifications to eliminate substandard conditions.
14	Administration Pioneers' Homes	PPH SCU Court Yard Access	5.2	Existing court yard is inaccessible to ADRD residents for required activities - necessitating exterior window be replaced with door unit.
15	Administration Pioneers' Homes	SPH SCU Renovation, 3rd Floor North	270.0	This resident care area does not meet the ADRD needs of residents, requiring it be upgraded with appropriate bathing, eating, and activity areas to enable residents to be served according to their special needs.
16	Administration Pioneers' Homes	KPH SCU Bathing Rm., 2nd Floor	112.4	Residents can no longer bath independently, resulting in unsafe bathing practices in small, inaccessible bathrooms. Requiring a larger bathing room to reduce danger to residents and staff injuries in bathing activities.
17	Administration Pioneers' Homes	JPH SCU Kitchen/Dining/Act./Bathing Rm. Remodel	470.8	Resident areas do not meet resident's ADRD needs. Requiring remodel of dining, activity area, and adjacent kitchen; including replacement of steam generator, obsolete kitchen equipment, and bathing room to enable residents to be served properly.
18	Administration Pioneers' Homes	APH Facility-wide Wanderer System	181.0	Bldg. lacks proper electronic signaling devices on numerous exterior and interior doors that require wanderer alarms to protect ADRD residents from elopement and harm.
19	Administration Pioneers' Homes	APH Electrical Upgrades	627.2	Bldg. emergency electrical system and other electrical components, including telephone system, are failing or are not adequate to meet safety standards and occupancy classification codes.
20	Administration Pioneers' Homes	FPH Fire Alarm Pull Stations/Emergency Light Upgrades	120.9	Bldg. fire alarm pull stations are miss located. Emergency lighting is inadequate. Requiring modifications and additions to meet safety codes and ensure resident safety.
21	Administration Pioneers' Homes	FPH Major Electrical Systems Renovation	740.4	Bldg. electrical system has numerous code violations and fire danger related to installed components or lack of proper equipment; including engagement devices for fire alarm that result in fire hazards throughout the bldg. and create fire & life safety.
22	Administration Pioneers' Homes	PPH Electrical Renovations	305.0	Bldg. has numerous documented electrical code violations and unsafe electrical wiring conditions. Requiring system upgrades to ensure safety of residents and staff

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond Amount	
Priority	Department	Project Title	(\$000)	Project Description Total cost is in parentheses if other funds will be included.
23	Administration Pioneers' Homes	FPH Bldg. Structural Analysis/Repairs	276.6	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe in heavy winds or earthquakes for resident occupancy.
24	Administration Pioneers' Homes	KPH Bldg. Structural Renovations	602.0	Bldg. has structural design faults that require identified repairs to make the bldg. safe in heavy winds or earthquakes for resident occupancy.
25	Administration Pioneers' Homes	PPH Bldg. Structural Analysis/Repairs	273.4	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe, in heavy winds or earthquakes, for resident occupancy
26	Administration Pioneers' Homes	APH Bldg. Structural Analysis/Repairs	116.9	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe, in heavy winds or earthquakes, for resident safety.
27	Administration Pioneers' Homes	FPH Crawl Space Renovations	311.6	Bldg. crawl space, that acts as return air plenum, has numerous flammable materials and equipment components that must be removed/replaced to meet fire code and ensure safety of residents.
28	Administration Pioneers' Homes	FPH Major Systems Replacement (Phase II)	1,732.7	Bldg. components were constructed inappropriately or do not meet code requirements ( i.e., exterior wall assembly/attic perimeter lack vapor barrier and adequate fire protection, improper roof drainage system that leads to freeze/thaw conditions and icing).
29	Administration Pioneers' Homes	KPH Mechanical Upgrades	59.9	Bldg. has mechanical deficiencies including asbestos at boiler stack, inadequate combustion air supply to boiler room; and lacks proper protective kitchen exhaust duct cap resulting in mechanical code violations and operations inefficiencies.
30	Administration Pioneers' Homes	SPH Ventilation System Compliance Upgrade	1,712.3	Ventilation system for west & east wings & core of bldg. lacks sufficient air exchange and fresh air supply; requiring replacement to ensure healthy environment for residents and staff.
31	Administration Pioneers' Homes	JPH Mechanical Upgrades	172.0	Bldg. has mechanical deficiencies. Including: lack of kitchen grease trap, combustion boiler room air and oxygen storage room exhausting, and bldg. ventilation system deficiencies - resulting in mechanical code violations and unsafe conditions for residents.
32	Administration Pioneers' Homes	PPH Ventilation & Mechanical Renovations	1,414.0	Bldg. has numerous documented mechanical code violations, poor air quality, and inadequate room heating capacity - resulting in discomfort to residents. Requiring upgrade on boiler, ventilation and resident room and toilet/bathing heating units.
33	Administration Pioneers' Homes	APH Heating System & Mechanical Renovation	803.8	Bldg. heating system and other mechanical components are aging (showing piping leaks, equipment failure and pneumatic controls failure). Requiring replacement with new components and direct digital heating controls to ensure resident safety and comfort.
<b>Department Total</b>			<b>12,184.9</b>	
1	Corrections	Spring Creek Drainage Repairs and Snow Removal Equipment	750.0	Drainage problems are causing repeated flooding of parts of the facility, requiring drainage repairs and removal of snow to correct.
2	Corrections	Hiland Mt. Domestic Water Installation	400.0	The facility currently relies on inadequate wells. Connection to the city water supply is needed to provide an adequate quantity and quality of water.
3	Corrections	Utility System Repairs and Energy Audits	500.0	Repairs are needed to utility systems in most of the correctional facilities. Energy audits will enable reductions in utility costs.
4	Corrections	Perimeter fences, alarms and gates	2,525.0	Improve security by installing a perimeter fence at Hiland Mt. And repair fences, gates, cameras and alarms at other correctional facilities.
5	Corrections	Palmir Medium Housing Security Upgrades	500.0	The current level of security is inadequate to prevent prisoner escapes. Security upgrades are necessary to contain inmates.
6	Corrections	Tuberculosis Isolation Cells and Ventilation	600.0	A statewide analysis is required to develop fully compliant systems at all correctional facilities. This project will also install improved ventilation systems to reduce the spread of tuberculosis.
7	Corrections	PMRC Leach Field Repairs	100.0	Replace two clogged leach fields (ATCO compound #1 & Bunkhouse Bldg.) and install grease trap in the kitchen.
8	Corrections	CIPT East Gate and Supports	75.0	Replace remotely-operated service yard vehicle gate, which has failed.
9	Corrections	FCC Unit III Fire Alarm System	70.0	Replace fire alarm detection / control system and field devices.
10	Corrections	HMCC/MCCC Fire Alarm System Repair	85.0	Replace defective MCCC fire alarm panel and field devices.
11	Corrections	HMCC Fire Pump Day Tank Replacement	15.0	Replace defective diesel fuel oil day tank in Fire Pump room.
12	Corrections	CIPT Water Line Replacement	250.0	Replace corroded cold water and hot water distribution lines within the building.
13	Corrections	HMCC Electrical Switchgear Replacement	15.0	Replace main switchgear in the HMCC generator room.
14	Corrections	KCC Intercom / CCTV Repair	30.0	Replace defective intercom system and remaining defective CCT V surveillance system components.
15	Corrections	MSPT Intercom Repair	50.0	Replace defective intercom system.
16	Corrections	SCCC Exterior Repair Ph II	250.0	Repair / replace buckling north exterior wall of APS building.
17	Corrections	CIPT Roof Repair	800.0	Replace roofing system (18 leaks on both upper and lower roofs, including water entry into electrical conduits and light fixtures)

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond	
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
18	Corrections	HMCC Sloped Roof Repairs, Phase I	750.0	Replace sloped roofing on the Administration Building and Housing Units 1, 2, 3 & 4, much with water damage to asbestos fire proofing.
19	Corrections	LCCC Roof Repair (Ph 3)	100.0	Replace last phase of upper Main Building roofs, which leaks into food service and adjoining areas.
20	Corrections	WCC Phase I Roof Repairs	100.0	Repair / replace leaking roofs on Building #1.
21	Corrections	FCC Roof Analysis	20.0	Perform condition survey of all FCC roof surfaces to determine project scope.
22	Corrections	YKCC Roof Repair	20.0	Perform condition survey of all YKCC roof surfaces to determine project scope.
23	Corrections	FCC TB Isolation Cell Ventilation	75.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.
24	Corrections	PCC Underground Fuel Tanks	150.0	Replace two underground heating oil fuel tanks, Medium Compound and Administration Building.
25	Corrections	PCC Water System Repairs	200.0	Connect Well #3 into the water distribution system to provide backup water source.
26	Corrections	YKCC Fire Alarm System Repair	45.0	Replace fire alarm controls and field devices.
27	Corrections	PCC Fuel Oil Day Tank Replacement	135.0	Replace fuel oil day tanks in selected mechanical rooms.
28	Corrections	WCC Phase II Asbestos Abatement	150.0	Abate asbestos in buildings #1, 15, and 8.
29	Corrections	FCC Security Gates #1 & #2 Replacement	150.0	Replace Vehicle Sallyport Security Gates #1 & #2, including operators, locks and controls.
30	Corrections	FCC Yard Out Door Replacement	15.0	Replace the yard Out security door, including electronic controls.
31	Corrections	FCC Unit III Control Room Intercom Repair	30.0	Replace Intercom system in Unit III.
32	Corrections	PCC Perimeter Alarm Repair	650.0	Repair / replace FPS perimeter security alarm system.
33	Corrections	HMCC Control Room Upgrades	200.0	Replace security control console, CCTV monitors / controllers and associated control room equipment.
34	Corrections	LCCC Gate Operator Replacement	65.0	Replace vehicle sallyport gate operator.
35	Corrections	PCC Security Door Locks Repair	60.0	Repair security locks in the medium compound.
36	Corrections	YKCC Building Structural Evaluation	10.0	Structural engineering analysis of pilings, walls and roof: leveling problem.
37	Corrections	HMCC Fire / Life Safety Repairs	60.0	Repair HMCC fire alarm system and overhaul diesel fire pump.
38	Corrections	HMCC Complex M/E HVAC Evaluation	50.0	Evaluate HMCC and MCCC mechanical & electrical systems.
39	Corrections	KCC Sewage Grinder	150.0	Install a sewer grinder in an exterior vault to prevent materials entering the public sewer system.
40	Corrections	LCCC Sewage Grinder	200.0	Install a sewer grinder in an exterior vault to prevent materials entering the public sewer system.
41	Corrections	HMCC Sloped Roof Repairs, Phase II	850.0	Replace sloped roofing on HMCC housing, Units 3 & 4 and flat roofs on MCCC buildings.
42	Corrections	PCC Min. P&S Fire Alarm	20.0	Replace Minimum Programs & Support Building fire alarm system.
43	Corrections	SCCC CCTV Surveillance System Repair	150.0	Replace CCTV surveillance system cameras and monitors.
44	Corrections	DOC Preventive Maintenance System	225.0	Replace the current DOC maintenance management system.
45	Corrections	PMRC Kitchen/Dining Room replacement	900.0	Replace kitchen and dining room.
46	Corrections	PMRC Housing - 20 replacement beds	1,100.0	Construct 20 replacement beds to replace failing ATCO trailer units; Includes sprinkler system.
47	Corrections	FCC Boiler Room Combustion Air Collection	80.0	Install code-complying combustion air system in the boiler room.
48	Corrections	LCCC TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.
49	Corrections	HMCC/MCCC TB Isolation Cell Ventilation	75.0	Repair MCCC TB Isolation Cell ventilation to meet airborne pathogens code requirements.
50	Corrections	HMCC/MCCC Fuel Tank & Piping	60.0	Replace MCCC underground heating oil tank.
51	Corrections	PCC Aboveground Fuel Tank Replacement	55.0	Replace single wall aboveground fuel tanks with properly-contained double wall tanks.
52	Corrections	WCC HVAC - Bldg. # 10 Boiler	500.0	Replace Building #10 boiler and relocate current boiler to Building #12.
53	Corrections	YKCC Waste Heat / Boiler Replacement	150.0	Replace DHW heat exchanger / storage tank and enlarge boiler to meet load requirements.
54	Corrections	WCC Pretrial TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation in Building #5 to meet airborne pathogens code requirements.
55	Corrections	WCC Bldg. #5 / #10 Emerg. Gen.	80.0	Replace Building #10 generator and move exiting unit to Building #5.
56	Corrections	WCC Bldg. #10 Fire Alarm	190.0	Replace Building #10 fire alarm system.
57	Corrections	WCC Bldg. #5 Fire Alarm	190.0	Replace Building #5 fire alarm system.
58	Corrections	FCC Gym Glazing (Lexan) Replacement	4.0	Replace gym / main corridor LEXAN glazing.
59	Corrections	FCC Exterior Booking Doors Replacement	10.0	Replace exterior entry doors in the booking area.
60	Corrections	FCC CCTV Cameras Replacement	15.0	Replace defective CCTV surveillance cameras and monitors.
61	Corrections	PCC TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation in the Medium Medical Segregation area to meet airborne pathogens code requirements.
62	Corrections	FCC Unit III Gym Door Replacement	30.0	Replace gym security door.
63	Corrections	FCC Industries Bldg. Gate Repair	60.0	Replace Industries Building vehicle security gate.
64	Corrections	KCC TB Isolation Cell Ventilation	75.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.
65	Corrections	HMCC Perimeter Alarm Repair	650.0	Repair / replace FPS perimeter security alarm system.
66	Corrections	KCC Security Controls Repair	175.0	Replace security control system.
67	Corrections	PCC Med. Housing Doors Replacement	125.0	Replace security doors in the Medium housing units.
68	Corrections	MSPT TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.
69	Corrections	FCC Roof Repair	800.0	Replace roofing system.

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond	
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
70	Corrections	PCC Med. Walkway Repair	100.0	Replace the Medium Compound walkway canopy roof, which is currently rotting.
71	Corrections	PCC Admin. Roof Replacement	30.0	Replace existing deteriorated shingle roof with metal roofing.
72	Corrections	WCC Phase II Roof Repairs	270.0	Repair / replace roofs on Buildings #7, 8, 5, 15 & 55.
73	Corrections	AMCC Exterior Repair	150.0	Repair spalling concrete & exposed rebar on precast wall panels.
74	Corrections	PCC Sewer Main Extension	600.0	Replace 2 septic systems (serving 5 buildings) by extending the sewer trunk.
75	Corrections	FCC Building Exterior Repairs	50.0	Repair spalling in concrete walls, repair rusted rebar and repaint.
76	Corrections	YKCC Interior Walls / Windows Repair	10.0	Repair deteriorated plaster walls in housing units which have been damaged by excess condensation on exterior windows.
77	Corrections	AMCC HVAC Repairs	100.0	Repair HVAC system serving the Control Room and Booking area.
78	Corrections	AMCC Refrigeration Compressors	50.0	Replace compressor units.
79	Corrections	CIPT Floor Drains Repairs	40.0	Repair floor drains in Alpha/Bravo and Juliet/Kilo housing modules.
80	Corrections	FCC Gym HVAC Repair	9.0	Replace failing unit heater heating coil, valves and controls.
81	Corrections	FCC Walk-in Cooler & Freezer Replacement	200.0	Replace walk-in cooler & freezer units.
82	Corrections	FCC Unit II Sewer & Floor Drain Repair	25.0	Repair leaking Unit II sewer lines and floor drains.
83	Corrections	KCC Washer / Drier Foundation Repair	15.0	Replace concrete foundation under institutional washers and dryers.
84	Corrections	FCC Industries Bldg. Boiler Repair	10.0	Replace Industries Building boiler.
85	Corrections	FCC Gym Mech. Rm. Controls Repair	40.0	Replace Gym Mechanical Room HVAC controls.
86	Corrections	FCC Exhaust Fan Control Units Repair	3.0	Replace exhaust fans controls.
87	Corrections	KCC Dishwasher Ventilation	70.0	Replace the Kitchen dishwasher ventilation system.
88	Corrections	PCC Med. Dishwasher Replacement	60.0	Replace Medium Kitchen dishwasher.
89	Corrections	PCC Med. Walk-in Cooler Replacement	100.0	Replace Medium Kitchen walk-in cooler.
90	Corrections	PCC Med. HVAC Repairs	500.0	Repair Medium Programs & Support Building heating and ventilating system.
91	Corrections	PCC Min. Dishwasher Replacement	60.0	Replace Minimum kitchen dishwasher.
92	Corrections	PCC VRC Electrical & Mechanical Repair	35.0	Electrical, mechanical and architectural repairs in the Visitors Reception Center.
93	Corrections	PCC Kitchen Water Softeners	25.0	Install water conditioning for critical appliances in both kitchens to prevent calcium buildup and resulting early equipment failure.
94	Corrections	SCCC Water Line Replacement / Treatment	100.0	Replace corroded water lines in Housing Units 1, 2, & 3.
95	Corrections	SCCC Valve Replacement	50.0	Replace valves on VAV heating boxes.
96	Corrections	SCCC Exhaust Fans: APS, Housing	15.0	Replace exhaust fans in the APS and housing buildings.
97	Corrections	SCCC Hot Water Mixing Valves	12.0	Replace hot water mixing valves in Medical Segregation and Housing Units 1, 2, & 3.
98	Corrections	WCC Bldg. #15/8/14/13 HVAC Repair	125.0	Replace HVAC equipment in Buildings #15, 8, 14 and 13.
99	Corrections	WCC Plumbing Fixtures & Water Lines	45.0	Repair plumbing fixtures and water lines in Buildings #5 & 10.
100	Corrections	YKCC HVAC Controls Evaluation	70.0	Repair / recalibrate HVAC pneumatic control system.
101	Corrections	YKCC Water Treatment System Repair	50.0	Repair chlorination and iron removal water treatment system in Class "A" water system.
102	Corrections	PCC Maintenance Shop Repairs	70.0	Architectural, mechanical and electrical repairs in the shop buildings.
103	Corrections	FCC Elevator Repair	100.0	Repair kitchen / loading dock hydraulic elevator.
104	Corrections	FCC Sink Hole Repair	10.0	Repair sink hole in the public parking lot sidewalk.
105	Corrections	FCC Admin Security Door Replacement	5.0	Replace administration area exterior entry security door.
106	Corrections	KCC Rock Stabilization & Property Fence	135.0	Stabilize exposed rock banks and replace property fence along top of the rock face.
107	Corrections	LCCC Perimeter Alarm Repair	700.0	Repair inoperative perimeter security alarm system.
108	Corrections	MSPT Kitchen Floor Repair	150.0	Replace delaminating ceramic tile flooring.
109	Corrections	PCC Admin Bldg. Repairs	25.0	Architectural, mechanical and electrical repairs in the Administration Building.
110	Corrections	PCC Programs & Support Repairs	60.0	Architectural, mechanical and electrical repairs in the Minimum Programs & Support Building.
111	Corrections	PCC Med. Kitchen Repairs	130.0	Architectural, mechanical and electrical repairs in the Medium Compound kitchen.
112	Corrections	PCC Min. Kitchen Repairs	150.0	Architectural, mechanical and electrical repairs in the Minimum Compound kitchen.
113	Corrections	PMRC Deferred Maintenance	150.0	Architectural, structural, mechanical and electrical repairs in the administration, programs and original two housing buildings.
114	Corrections	PMRC Repairs	600.0	Architectural, structural, mechanical and electrical repairs in the main barn, maintenance and other farm buildings.
115	Corrections	YKCC North/South Vehicle Gates Replacement	40.0	Repair gate roller assemblies and correct icing problems.
116	Corrections	PCC Water System	2,816.5	Upgrade the Class "A" water distribution system to provide proper water treatment and storage capacity.
<b>Department Total</b>			<b>25,824.5</b>	
1	Education	MI. Edgcombe High School Repair and Renovation	6,159.2	These facilities are in need of extensive repairs and renovation.

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
	2	Education	AVTEC First Lake Facility Elevator Replacement	103.5	The current elevator is more than 50 years old and has exceeded its service life, resulting in very unreliable service and excessive repair costs.
	3	Education	AVTEC Dormitory Renovation	2,476.0	Renovation is necessary to correct code violations and provide acceptable living conditions for students.
	4	Education	AVTEC Apartment Buildings Interior and Exterior Renovation	138.0	Purchase of the Alderwood apartments for student housing requires renovations to correct code violations and structural deficiencies.
<b>Department Total</b>				<b>8,876.7</b>	
	1	Fish and Game	Emmonak Field Office Construction	200.0	New office space is required to provide adequate space for managing Yukon River fisheries.
	2	Fish and Game	Bunkhouse (AYK); Replacement	650.0	Required for employee health and safety. (750.0)
	3	Fish and Game	Kodiak Office: Replace ACM Siding	500.0	Asbestos siding and weather coat deteriorated.
	4	Fish and Game	Cold Storage Building Repairs; Statewide	50.0	Rehab. roofs/siding/ foundations/etc. (75.0)
<b>Department Total</b>				<b>1,400.0</b>	
	1	Health & Social Services.	Statewide Deferred Maintenance and Renovation	1,600.0	Fund priority deferred maintenance at 38 state-owned buildings to preserve assets and reduce future repair costs.
	2	Health & Social Services.	MYC Food Service, Ventilation, Sanitation and Safety Project	480.3	Project is to completely remediate and refurbish the McLaughlin Youth Center kitchen. The kitchen has been subject to extremely hard use for over 30 years, has insufficient food service capacity, and needs to be brought up to current health and safety codes. Interior steam piping must be replaced as well as the unserviceable kitchen equipment.
	3	Health & Social Services.	Juneau Health Center Heating and Ventilation System	410.0	Replace the antiquated and failing heating and ventilation (HVAC) system at the Juneau Public Health Center (JPHC) to bring the system up to code, to increase energy efficiency, and to improve patient and staff safety. For the State to continue to ignore the HVAC problems risks an interruption of services to the public. (500.0)
	4	Health & Social Services.	Sitka Health Center Safety and Security Upgrades	106.3	Safety and security upgrades for the Sitka Public Health Center facility are necessary to make existing space programmatically appropriate for the Division of Public Health and the Division of Juvenile Justice. (125.0)
	5	Health & Social Services.	Juneau Health Center Exterior Painting	20.2	The exterior siding has not been painted since construction in 1985 and has degraded. Seal and paint siding as needed. (24.7)
	6	Health & Social Services.	MYC Cottage 4 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.
	7	Health & Social Services.	MYC Cottage 4 Window Replacement	91.3	The bedrooms have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.
	8	Health & Social Services.	MYC Cottage 4 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.
	9	Health & Social Services.	Assets Building Exterior Lighting Repair	32.9	The west end of the parking lot does not have lighting. This is a safety risk. Install two light poles as needed on the west side of the parking lot.
	10	Health & Social Services.	MYC Cottage 2 Pipe Replacement	88.0	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.
	11	Health & Social Services.	MYC Cottage 2 Window Replacement	91.3	The bedrooms have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.
	12	Health & Social Services.	Sitka Health Center Window Replacement	47.8	Windows are nearly 25 years old and are wood-framed. They are rotting and beginning to leak. (57.6)
	13	Health & Social Services.	Griffin Memorial Building Water Service, Window & Door Repair	85.5	Pressure reducing valve required to lower incoming water pressure. Windows and doors are 50 years old and in need of replacement.
	14	Health & Social Services.	MYC Cottage 2 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.
	15	Health & Social Services.	MYC Cottage 1 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.
	16	Health & Social Services.	MYC Cottage 1 Window Replacement	91.3	The bedrooms in all cottages have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways of three cottages has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.
	17	Health & Social Services.	MYC Cottage 1 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept			Bond	
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
18	Health & Social Services.	Bethel Youth Facility Heat Exchanger Repair	32.9	The existing domestic water heat exchanger has reached the end of its life cycle term and has started to fail. The internal bundle has been replaced as a stop-gap measure. Replacement with a plate style of heat exchanger will require less space and be more efficient.
19	Health & Social Services.	Bethel Youth Facility Lift Station Move	115.2	The sewage lift station is located in a classroom adjacent to a demising wall. When service is required, the classroom must be taken out of service and rearranged in order to open the access door. This takes a significant amount of time during which the facility can not use water. The float controls are inaccessible for service. It also needs a larger capacity tank. Relocate lift station to the exterior of the facility. Design is needed.
20	Health & Social Services.	Johnson Youth Center Day Room Structural Survey	10.7	Dayroom ceiling is sagging and in need of repair.
21	Health & Social Services.	Assets Building Structure & Roof Repairs	112.7	Repairs to the parking lot, sidewalk, entry locks, canopy and roof drainage system are necessary.
22	Health & Social Services.	Fairbanks Youth Facility Water Remediation	49.4	The domestic water contains significant amounts of minerals that are shortening the life of all water heating equipment due to scale build up. Install a filtering/ softener system to remedy this.
23	Health & Social Services.	Juneau Health Center Exterior Lighting & Wall Repairs	20.9	There is inadequate exterior lighting on the east and south sides of the facility. Exterior walls need to be patched and repaired. (25.5)
24	Health & Social Services.	Bethel Youth Facility Wall Repair	57.6	The marlite panels in the showers and in the kitchen have begun to delaminate and need to be replaced with FRP panels, or another moisture resistant product. There are also many damaged areas inside the detention cells due to gypsum wallboard susceptibility to damage. Laminate wallboard with durable sheet goods.
25	Health & Social Services.	Nome Youth Facility Door & Lockset Repair	39.5	Door & lockset repair
26	Health & Social Services.	Ketchikan Health Center Insulation & Sidewalk Repair	24.3	The sidewalk has deteriorated from salts and needs to be replaced in some areas to remove tripping hazards. Foundation is not insulated and is in need of insulation. (29.6)
27	Health & Social Services.	Assets Building Ventilation Repair	65.8	The production room on the east end of the facility has a significant amount of humidity accumulation and will continue to have problems with condensation. Installation of a make up air unit is needed.
28	Health & Social Services.	Assets Building Floor Covering Replacement	49.4	The vinyl on the west side of the facility is 20 yrs old and needs replaced. The vinyl flooring in the men's room has also failed and needs replaced.
29	Health & Social Services.	Assets Building Control System Replacement	230.3	The existing controls are obsolete, and in several areas are non-functioning. This severely impacts the indoor air quality of this facility. Replace the existing control system with a direct digital control system.
30	Health & Social Services.	Assets Building Pipe Replacement	246.8	Several sections of the domestic plumbing have experienced significant electrolysis and have failed. Replacement of these sections and installation of dielectric unions is needed.
31	Health & Social Services.	Bethel Youth Facility Roof, Window And Electrical Repairs	37.0	Roof, window, and electrical are old, failing, and in need of repair.
32	Health & Social Services.	Ketchikan Health Center Exterior Paint	27.0	The exterior paint is 12 years old. The siding needs to be re-painted in order to preserve the wood. (32.9)
33	Health & Social Services.	Fairbanks Youth Facility Roof & HVAC Repairs	55.1	The roof over the multi-purpose room has inadequate drainage. Up to 6 inches of water and ice collect on the roof. This results in loads heavier than that for which the building was designed. Install 2 additional roof drains.
34	Health & Social Services.	Bethel Public Health Nursing Annex Roof, Insulation & Drainage Repairs	44.1	The surface water from the parking lot drains underneath the annex building. This creates problems with the foundation footing. Bring fill in to relocate drainage to a more suitable location.
35	Health & Social Services.	MYC Fire/Life Safety Repairs	60.5	Various roof repair and drainage projects including ceiling seismic bracing.
36	Health & Social Services.	Sitka Health Center Lighting & Door Replacement	22.5	The main entry door has weathered beyond repair and needs to be replaced. (27.1)
37	Health & Social Services.	MYC Building B&C Steel Deck Painting	26.3	The steel roof decking that was painted in the maintenance, shipping/receiving and storage areas has failed. Flaking paint is carried into food preparation and laundry storage areas causing unsafe conditions. Repainting with proper application is needed.
38	Health & Social Services.	MYC Building B&C Cabinet Unit Heater Replacement	32.9	The cabinet unit heaters located in the hallways of buildings "B" & "C" are more than 30 years old and to be need replaced because parts are no longer available and are difficult to maintain.
39	Health & Social Services.	Denardo Center Building Envelope Repairs	97.1	The exterior siding is starting to be exposed to the weather and needs to be resealed. Most of the wood doors are damaged and need to be replaced. This cost includes the replacement of locksets, as they are non-maintainable and are starting to fail.

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
	40	Health & Social Services.	MYC Building B&C Roof Repairs	41.1	The EPDM roofing on Detention and the boiler room have had leaks due to failed seams. Debris has been found between the pavers and the membrane. These roofs need cleaned, inspected and repaired as needed. There are several areas on all roofs that need to have vegetation removed. The parapet caps on buildings B & C need repainted. There are also several places where fasteners have been installed on top of the cap causing potential leaks. Repaint caps and seal all penetrations.
	41	Health & Social Services.	MYC Building B&C and Cottage 4 Probation and Miscellaneous Repairs	4.8	The canopy lights located at both entries at the probation building use "A" style incandescent bulbs and burn out frequently. Replace with more efficient and long life high pressure sodium fixtures. Also replace dishwasher and range with newer, more efficient models.
	42	Health & Social Services.	MYC Building B&C Roof Drain Installation	41.1	The hallway roof on building B&C utilized an inadequate scupper system which results in a significant amount of standing water. Install the drains and leaders required for proper water removal.
	43	Health & Social Services.	Nome Youth Facility Shower Repairs	49.4	The restroom and showers were constructed of residential quality shower stalls and marlite panels which have poor long term performance. Remove and replace with tile.
<b>Department Total</b>				<b>5,312.6</b>	
	1	Military and Veterans Affairs (DMVA)-Army	Alaska Military Youth Academy Deferred Maintenance and Energy Conservation	198.3	Fund priority deferred maintenance items and reduce utility costs.
	2	DMVA-Army	Alaska Military Youth Academy Dining Facility Renovation	109.5	Dining facility requires renovations to adequately serve the number of students and staff using the facility.
	3	DMVA-Army	ARMORY, REPLACE COMPOSTING TOILET	3.8	Not maintainable. Replace with interior, efficient unit. (15.0)
	4	DMVA-Army	ARMORY, Jewel Lake REPLACE ROOF	200.0	Exceeded design life. Roof leaks patched numerous times.
	5	DMVA-Army	ARMORY, REPLACE ROOF	75.0	Exceeded design life. Roof leaks patched numerous times. (150.0)
	6	DMVA-Army	ARMORY, REPLACE BOILER	25.0	Exceeded design life/inefficient. Was oil now natural. gas.
	7	DMVA-Army	UNHEATED STORAGE BUILDING, CORRECT DRAINAGE	30.0	Bldg. floods in spring, need drain tile and sump.
	8	DMVA-Army	ARMORY, REPLACE WATER SYSTEM	10.0	Well treatment equipment requires constant attention. Replace.
	9	DMVA-Army	USP&FO, REPAIR ROOF	25.0	Drain runoff away from bldg. Extend o/hang & add insulation. (100.0)
	10	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)
	11	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)
	12	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	10.0	Wooden sash dry rotting & thermopanes leaking. Replace.
	13	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)
	14	DMVA-Army	ORGANIZED MAINTENANCE SHOP, REPAINT EXTERIOR	6.3	Exterior paint cracking, flaking, repaint to protect. (25.0)
	15	DMVA-Army	ARMORY, REPLACE FOUNDATION W/TRIODETIC	10.0	Structural dry rot of post/beams. Replace w/metal truss. (40.0)
	16	DMVA-Army	USP&FO, REPAIR ELECTRICAL	10.0	Inadequate power for work stations. Add power to bldg. (40.0)
	17	DMVA-Army	ARMORY, ENCAPSULATE ASBESTOS WAINSCOT W/FRP BOARD	2.5	Transite panels exposed in workbay. Overlay. (10.0)
	18	DMVA-Army	ARMORY, REPAIR UNDERGROUND ELECTRICAL	100.0	Old poles/transformers o/h to 5 buildings. Put underground.
	19	DMVA-Army	ORGANIZED MAINTENANCE SHOP, REPAIR SIDING	6.3	Surface delaminating. Replace damage & install metal siding. (25.0)
	1	DMVA-Kulis	Repair ventilation, Bldg. 45	13.8	Increase amount of air movement. (55.0)
	2	DMVA-Kulis	Maintain aircraft aprons	11.3	Repair cracks and seal (45.0)
	3	DMVA-Kulis	Eliminate ice build up on exterior surfaces	1.0	Eliminate ice build up on exit doors. (6.5)
	4	DMVA-Kulis	Install fence around antenna towers	2.0	Electrical shock can occur without fence. (8.0)
	5	DMVA-Kulis	Replace oil/water tank monitors	3.8	Prevent tanks from overflow. (15.0)

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.			Bond	
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.
6	DMVA-Kulis	Replace main parking lot stairways	2.5	Existing stairways are unsafe needs replacement. (10.0)
7	DMVA-Kulis	Extend canopy over back stairs	1.3	Prevent ice buildup on exterior steps. (5.0)
8	DMVA-Kulis	Replace door AGE Bldg. 47	1.3	Allow movement of equipment inside. (5.0)
9	DMVA-Kulis	Install air conditioning Bldg. 21	2.5	Command Post area summer environmental. (10.0)
10	DMVA-Kulis	Alterations to eliminate glaciation, Bldg. 45 (fuel Cell)	2.5	Glaciers of ice form and fall on lower roof. (10.0)
11	DMVA-Kulis	Repair sewer line Bldg. 72-42	5.0	Sewer line freeze during winter/low section. (20.0)
12	DMVA-Kulis	Refurbish Bldg. 9 to fit mission	7.5	Old motorpool being used as mobility processing area. (30.0)
13	DMVA-Kulis	Enclose LOX cart facility/construct	16.3	Unit compliance findings safety in handling. (85.0)
14	DMVA-Kulis	Reposition T-33 static aircraft	1.8	Too close to road - possible damage. (7.0)
15	DMVA-Kulis	Install pavement munitions storage area yard	11.3	Prevent gravel from being carried on to parking apron. (40.0)
16	DMVA-Kulis	Pave west perimeter road to munitions area	13.8	Prevent gravel from being carried on to parking apron. (55.0)
17	DMVA-Kulis	Upgrade communication vault system basewide	12.5	Complete tie in for communication to all facilities with fiber. (50.0)
18	DMVA-Kulis	Repair/replace organizational signs Basowide	7.5	Units/changing and Information. (30.0)
19	DMVA-Kulis	Install mobility storage system (Ecamp) Bldg. 50	23.8	Not earthquake proof, safety write up. (95.0)
20	DMVA-Kulis	Install Fire suppression system Bldg. 4	11.3	Mobility equipment storage requires sprinklers. (45.0)
21	DMVA-Kulis	Install keypad entry Bldg. 72-42/23	5.0	Required for protection of equipment. (20.0)
22	DMVA-Kulis	Relocate/Upgrade static aircraft displays	10.0	New facilities cause displays to be moved. (40.0)
1	DMVA-Eielson	Install air conditioner duct-work, Bldg. 3180	2.9	Replace ductwork. (11.5)
2	DMVA-Eielson	Repair asphalt as needed to prevent further deterioration	8.8	Misc. asphalt repairs. (35.0)
3	DMVA-Eielson	Light required for personnel to measure fuel tank levels daily, Bldg. 1174	1.3	Install lighting at fuel Island. (5.0)
<b>Department Total</b>			<b>1,009.8</b>	
1	Natural Resources	Goose Bay Facility	300.0	Demolish buildings, asbestos abatement, disposal of hazardous materials and site grading.
2	Natural Resources	Structural Repairs for Entrance Area at Kachemak District Headquarters and Floor Supports at Kenai Area Headquarters.	148.5	1. Construct required second egress to basement to meet code (Kachemak District Headquarters). 2. Replace floor structural supports. Floor is rotten. (Kenai Area Headquarters).
3	Natural Resources	Multiple-location Mechanical Systems Upgrades and Replacements to Bring Systems up to Code.	326.3	1. Replace worn-out chimney - fire threat. (Butterfly Lake Ranger Station). 2. Replace wood heating system - existing is fire threat. (Chilkat State Park Ranger Station). 3. Replace unreliable oil stove - furnaces and fire threat. (Harding Lake Ranger Station)
4	Natural Resources	Facility Code Compliance Study for all Forestry Buildings Statewide	100.0	On-site code compliance survey for all Forestry facilities. Examine compliance with plumbing, electrical, mechanical and fire/safety codes. Document deficiencies, recommend solutions, and provide estimate of funds necessary for corrections.

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
1	Administration	State Office Bldg. - Roof replacement	960.0	Replace deteriorated roof (main, stairwell and penthouse roofs) & remove obsolete window track. The roof has exceeded its service life and continued and increased leaks will be expected.	Juneau
2	Administration	State Office Bldg. - Replace skylight gaskets and flashing	42.0	Replace gaskets and flashing located at skylights to eliminate leaking. Project will eliminate water leaks which dramatically reduce the structure's service life and cause damage to building contents.	Juneau
3	Administration	State Office Bldg. - Elevator renovation	1,788.2	Repair and modernize existing elevators. Chronic breakdowns and service level problems have plagued these elevators for years. The repairs will not only increase the facility's efficiency and staff productivity but allow the facility to conform to federal ADA requirements.	Juneau
4	Administration	State Office Bldg. - Water line replacement	900.0	Replace galvanized steel domestic water piping with copper. Piping is corroded to the point that if nothing is done a catastrophic failure will occur in the near future which will affect all fixtures, equipment and building contents.	Juneau
5	Administration	Dimond Courthouse - Replace waterlines	250.0	Replace leaking waterlines. Leaks damage structure as well as the building's contents - complete failure will occur if lines are not replaced.	Juneau
6	Administration	Dimond Courthouse - Roof replacement	300.0	Roof has leaks and has exceeded its service life. Continued repairs are not cost effective. Replacing the roof and removing window track will eliminate leaks that are dramatically reducing the building structures service life and causing collateral damage.	Juneau
7	Administration	Douglas Island Bldg. - Curtain wall replace	1,356.0	Replace curtain wall/window system which is constantly leaking causing damage to structure as well as its contents. Additionally, due to the current condition of the structure and heat loss the building systems are unable to maintain adequate working temperatures.	Juneau
8	Administration	Dimond Courthouse - Window seals	30.0	Repair broken window seals throughout the building, which are leaking causing damage to structure and building's contents.	Juneau
9	Administration	Dimond Courthouse - Curtain wall repair	280.0	Curtain wall is leaking heavily and causing damage to structure as well as its contents. If repair is not completed the structure's service life will be shortened and the building's contents will be damaged.	Juneau
10	Administration	Fbks. Regional Office Bldg. - Replace roof	902.4	Replace roof (if required upon completion of testing). Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.	Fairbanks
11	Administration	Douglas Island Bldg. - Roof replacement	300.0	Roof has exceeded its service life and leaks are constant. Replacing the roof will eliminate leaks that are dramatically reducing the building structures service life and causing collateral damage to the building contents.	Juneau
12	Administration	State Office Bldg. - Asbestos abatement	2,019.4	Abate asbestos materials in critical areas of the building. Repairs make the facility more functional as remodels can be completed for a fraction of the cost and the health of workers and visitors will be protected and potential health liability reduced.	Juneau
13	Administration	Archives/Records Bldg. - Roof replacement	130.0	Replace deteriorated roof. Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.	Juneau
14	Administration	Public Safety Bldg. - Replace roof	240.0	Replace roof which is leaking in many areas. Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.	Juneau
15	Administration	State Office Bldg. - Replace skybridge roof	90.0	Replacement of roof is necessary to reduce leaks and high maintenance costs and reduce the damage being caused to the structure.	Juneau
16	Administration	State Office Bldg. - Replace temporary fuel oil storage tank	25.0	Temporary tank is corroded and is causing heating failures and is a potential fuel spill liability.	Juneau
17	Administration	Governor's House - Replace emergency generator	35.0	Generator has exceeded its service life and is not reliable and does not adequately protect the building from freezing up during power outages. Current system does not provide the minimum amount of power to sustain primary building systems.	Juneau
18	Administration	State Office Bldg. - Replace window gaskets	6.0	Replace gasket at windows at Sr. Services - 7th floor. If not repaired water leakage will continue to damage the structure and its contents.	Juneau
19	Administration	State Office Bldg. Parking Garage - Add fireproofing	68.4	Replace missing fireproofing at steel structure to protect the garage and adjoining SOB structure from fire. Current conditions create a liability to the structure and occupants in the event of a fire.	Juneau
20	Administration	AK State Museum - Replace canopy roof	100.0	Replace deteriorated canopy roof. Entrance canopies are failing causing potential risks to visitors and building occupants.	Juneau
21	Administration	Community Bldg. - Replace boiler	240.0	Replace hot water tube boiler. Without replacement facility will continue to risk boiler failure creating untenable conditions and freezing of waterlines.	Juneau
22	Administration	Dimond Courthouse - Repair water gutters	8.0	Repair water gutters - west side of building. Unless the repair is completed water will continue to cause damage to the structure and the building's contents.	Juneau
23	Administration	State Office Bldg. - Fire sprinkler system	1,080.0	Install fire sprinkler system for floors 9, 10, 11 per UBC. Until repair is completed facility will not comply with local and national building codes and regulations. Failure to install the systems increases the risk of fatalities in the event of a fire	Juneau

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
24	Administration	Dimond Courthouse - Replace boiler	150.0	Replace old unreliable and constantly malfunctioning boiler. Without boiler replacement the facility will continue to risk boiler failure and freeze up of the building's water lines and make the facility untenable.	Juneau
25	Administration	State Office Bldg. - Upgrade seismic protection at elevators	127.2	Add seismic retrofits to four elevators. During a seismic event catastrophic elevator failure could occur without this safety upgrade and result in possible loss of life.	Juneau
26	Administration	State Office Bldg. - HVAC	264.0	Test and rebalance the entire HVAC system. Unless procedure is completed facility will continue to operate inefficiently and cause discomfort for the facilities occupants.	Juneau
27	Administration	All Juneau Facilities - Preventative Maintenance Program	30.0	Provide computerized reactive work order and preventative maintenance plan. System will improve maintenance response times, work tracking and reporting. A program of this type for the quantity of facilities is common practice nationwide.	Juneau
28	Administration	Atwood Bldg. - Heating coils - Interior air quality	153.6	Install new heating coils for ventilation system to improve interior air quality and building operating efficiency.	Anchorage
29	Administration	Capitol Bldg. 3rd Floor - A/C, heat repair/replace	15.0	Repair/replace air-conditioning and heating system (Gov. office, conference room, etc). Repair will improve interior air quality and operating efficiency.	Juneau
30	Administration	Capitol Bldg. 3rd Floor - Standby power	55.0	Rewire standby power for the Governor's Office. Repair will ensure power for the Governor and staff during power outages or emergency situations.	Juneau
31	Administration	Fbks. Regional Office Bldg. - Window repairs	18.0	Recaulk exterior windows to seal structure's interior from the elements. Repair will reduce damage caused to the structure by the weather and make the facility more efficient and comfortable.	Fairbanks
32	Administration	State Office Bldg. - Replace fire alarm system	1,800.0	Current life/safety system does not comply with current codes and regulations. Failure to replace the system could result in failure to adequately provide and inform building occupants and visitors of building emergencies.	Juneau
33	Administration	AK State Museum - Replace missing light pole	2.0	Replace parking lot light pole. This repair will reduce the odds of accidents and improve safety during hours of darkness.	Juneau
34	Administration	AK Office Bldg. - Repair/replace restroom plumbing	43.0	Repair/replace restroom plumbing lines to eliminate failures and reduce the risk of catastrophic failure which will damage the structure and the its contents.	Juneau
35	Administration	All Juneau Facilities - Electrical infrared testing	84.0	Perform infrared test on all electrical systems and perform necessary repairs. Repair will increase operating efficiency and reduce the number of electrical failures, code violations and reduce potential liabilities.	Juneau
36	Administration	Dimond Court House-Repair Fintubes	5.0	Fintubes require repair to provide adequate heating to the occupants.	Juneau
37	Administration	Capitol Bldg. 3rd Floor - Replace controls	4.0	Replace all radiator controls with more efficient and effective units.	Juneau
38	Administration	Capitol Bldg. 3rd Floor - Replace sewer lines	5.0	Replace all sewer lines at the restroom to reduce failure and improve functionality.	Juneau
39	Administration	Public Safety Bldg. - Fuel tank infiltration	3.6	Repair grade of asphalt to prevent water seeping into fuel tank. Repair will reduce heat outages when boiler is overwhelmed by non-combustible material.	Juneau
40	Administration	Public Safety Bldg. - Replace roof exhaust	3.6	Replace (1) ventilator at roof for exhaust fan. Repair will improve indoor air quality standards and improve the facilities operating efficiency.	Juneau
41	Administration	Dimond Courthouse - Install zone valves	8.0	Install digital zone valves which will improve heating, ventilating and air conditioning performance and daily maintenance of system.	Juneau
42	Administration	Douglas Island Bldg. - Electrical study	24.0	Perform engineering study of electrical system. Analysis is needed for effective building management decisions.	Juneau
43	Administration	Douglas Island Bldg. - Install second boiler	60.0	Installation of a second boiler will provide back up heat in the event of failure to the existing unit. Unless backup heat is provided there is a significant risk the building will freeze up during often extreme weather conditions.	Juneau
44	Administration	Public Safety Bldg. - Inventory and rework electrical	30.0	Investigate and rewire, increase quantity of panels, breakers, etc as needed. Repair will increase operating efficiency, reduce the number of electrical failures and reduce the potential for electrical fires.	Juneau
45	Administration	State Office Bldg. - Rebalance fans	4.8	Rebalance supply fans 1-6. This procedure is overdue and standard operation for a facility of this size. Rebalancing the fans will improve ventilation.	Juneau
46	Administration	AK State Museum - Abate asbestos	250.0	Abate asbestos in critical areas to reduce health risk to facility maintenance staff and allow occupants to better utilize the building.	Juneau
47	Administration	Capitol Bldg. 3rd Floor - Electrical investigation	10.0	Investigate electrical problem with corridor lights. Analysis is needed for effective management decisions and to reduce the potential of electrical fires.	Juneau
48	Administration	Gold street Parking - Resurface deck	100.0	Resurface top parking deck and repair / replace lighting. Repairs will extend the structure's service life, reduce the chance of accidents, and improve structure's safety during hours of darkness.	Juneau
49	Administration	AK State Museum - Repair wall leak	10.0	Investigate and repair leak at south wall. Repair will seal structure from the exterior elements, prolonging service life, increasing building comfort and eliminating damage to building contents.	Juneau
50	Administration	Dimond Courthouse - Replace doors	15.0	Replace deteriorated mechanical room doors located in the penthouse. Replacement will provide doors that work and meet fire code requirements.	Juneau
51	Administration	Douglas Island Bldg. - Replace valves	16.8	Replace 4 zone mixing valves. Replacement will improve facility's operating efficiency and reduce the odds of catastrophic failure.	Juneau
52	Administration	Fbks. Regional Office Bldg. - Entrance grating	97.2	Replace entrance anti-slip grating and matting. Replacement will reduce the chances that the public or workers are injured by slips and falls.	Fairbanks

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
53	Administration	Governor's House - Replace stucco/paint	305.0	Replace deteriorating stucco and paint. Repair will extend the service life of the structure.	Juneau
54	Administration	Governor's House - Replace windows	80.0	Replace exterior windows. Existing windows are inefficient and difficult to repair - repair will improve structure's operating efficiency.	Juneau
55	Administration	State Office Bldg. - Recaulk exterior panel joints	225.0	Recaulking exterior panel joints was not completed when structure was pressure washed and sealed in FY01 due to the discovery of asbestos and a resultant increase in the project's costs.	Juneau
56	Administration	State Office Bldg. - Replacing mixing valves	22.8	Replace mixing valves - north and south sides central heating (24 each). Replacement will improve facilities operating efficiency and reduce the odds of catastrophic failure.	Juneau
57	Administration	State Office Bldg. - Chiller refrigerant	666.0	Modify/replace chiller for non-CFC refrigerant. Repair is required for code compliance and efficient operation of facility. In the future current refrigerant will no longer be available.	Juneau
58	Administration	All Juneau Facilities - Improve public signs	72.0	Improve exterior and interior signage for public identification (building, offices and parking lots)	Juneau
59	Administration	Atwood Bldg. - Replace plaza	600.0	Current plaza leaks to the underground garage. Repair will increase structural service life and eliminate corrosive leaks impacting vehicles parked in the garage.	Anchorage
60	Administration	Court Plaza Bldg. - Install floor drains in r/r	98.0	Install floor drains in all building restrooms to reduce the potential for damage to interior finishes and equipment due to floods and reduce the risk of injury due to slips and falls.	Juneau
61	Administration	State Office Bldg. Parking Garage - Repair decks	336.0	Repair and reslope exposed concrete docks for better drainage; repair interior leaks	Juneau
62	Administration	State Office Bldg. Parking Garage - Ramp repairs	300.0	Replace deteriorated sections of parking garage ramps. Repair will improve structure's service life and reduce the risk of accidents caused by rutted ramps.	Juneau
63	Administration	AK Office Bldg. - Remove equipment	8.4	Remove power filter equipment that was abandoned in place. Repair will improve building efficiency and increase working space in mechanical areas.	Juneau
64	Administration	AK State Museum - Pressure wash & seal exterior	55.0	Pressure wash and seal building's exterior and recaulk panel joints. Repair will increase structure's service life and improve its appearance.	Juneau
65	Administration	AK State Museum - Replace/repair rock wall	40.0	Repair/replace rock wall which is disintegrating.	Juneau
66	Administration	Court Plaza Bldg. - HVAC Upgrades	205.2	Balance HVAC system and modify system for compliance with building codes. Repair will improve facilities efficiency and improve interior air quality.	Juneau
67	Administration	Diamond Courthouse - Repair plaza leaks	150.0	Repair leaks from the plaza which are filtering into underlying workspaces. Repair will increase structures service life and improve interior work space.	Juneau
68	Administration	Public Safety Bldg. - Pressure wash building	3.6	Building requires pressure washing to remove algae and dirt buildup. Repair will improve structures appearance and service life.	Juneau
69	Administration	Archives/Records Bldg. - Repair concrete walls	5.0	Repair deteriorated concrete wall. Repair will improve structures appearance and service life.	Juneau
70	Administration	Douglas Island Bldg. - Lighting and ceiling upgrade	240.0	Replace ceiling and lights with energy efficient lighting. Repair will dramatically improve facility's energy efficiency and improve interior lighting quality.	Juneau
71	Administration	Fbks Regional Office Bldg. - Paint exterior	112.8	Paint building exterior. Repair will increase structure's service life and improve appearance.	Fairbanks
72	Administration	Public Safety Bldg - Replace broken windows	9.8	Replace broken windows. Repair will increase building's efficiency and safety and improve work space.	Juneau
73	Administration	Governor's House - rock wall and fence repairs	120.0	Existing wooden fence needs replacing. Repair will improve facility's appearance.	Juneau
74	Administration	Public Safety Bldg - Replace HVAC unit	12.0	Replace HVAC unit for 1st floor. Repair will improve building's efficiency and improve interior air quality.	Juneau
75	Administration	Fbks Regional Office Bldg - Lighting upgrade	97.2	Increase lighting in common hallway areas. Repair will reduce the risk of accidents and provide a better work environment.	Fairbanks
76	Administration	Diamond Courthouse - Generator exhaust	50.0	Redirect generator exhaust to unoccupied location. Existing placement of exhaust is not suitable and presents a health risk.	Juneau
77	Administration	Fbks Regional Office Bldg - Replace c/g system	63.8	Replace deteriorated common hallway area ceiling system.	Fairbanks
78	Administration	Atwood Bldg - Replace ceiling system	38.4	Replace elevator lobby ceiling system. Repair will provide easier access by maintenance staff.	Anchorage
79	Administration	Atwood Bldg - Modify filter bank	21.6	Modify filter bank to allow for a tighter fit of the filters and improve the overall function of the filter bank.	Anchorage
80	Administration	Court Plaza Bldg - Remove equipment	30.0	Remove abandoned restaurant equipment located on the roof. Repair will increase roofing system's service life and improve facility's operating efficiency.	Juneau
81	Administration	Public Safety Bldg - Replace garage door	12.0	Replace existing garage door with new larger size. Repair will improve storage areas functionality and increase the facilities efficiency.	Juneau
82	Administration	State Office Bldg - Renovate entrance	24.0	Renovate deteriorated Willoughby Street entrance.	Juneau
83	Administration	State Office Bldg - Repair cargo doors	18.0	Repair cargo bays on 7th floor. Repair will increase dock facilities effectiveness and reduce the potential of worker injury.	Juneau
84	Administration	State Office Bldg - Security upgrade	36.0	Replace (2) roll-up security gates on 8th level plaza	Juneau
85	Administration	State Office Bldg - Security upgrade	639.8	Rekey building with card key access system. Repair will improve building's security and enhance safety for employees and the public.	Juneau
86	Administration	State Office Bldg - Replace worn carpet	180.0	Replace severely worn and torn carpet in corridors, elevator lobbies; safety hazard. Repair will reduce the potential for injury due to slips and falls.	Juneau

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Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	87	Administration	Fbks Regional Office Bldg - Carpet replacement	34.2	Replace the most severely worn and torn carpet; safety hazard. Repair will reduce the potential for injury due to slips and falls.	Fairbanks
<b>Department Total</b>				<b>19,448.2</b>		
	1	Administration Pioneers' Homes	JPH Building - Exterior refinishing/foundation drain repairs	231.0	Exterior bldg. wall faces are damaged and delaminating due to long term mold & algae growth; causing further wall surface deterioration and eventual interior wall damage that require repairs to resolve condition and foundation perimeter requires drain.	Juneau
	2	Administration Pioneers' Homes	SPH SCU Renovation, 3rd Floor West, Core, South sections	525.0	The common areas and rooms in these areas have not been renovated for 30 years and have deteriorated considerably.	Sitka
	3	Administration Pioneers' Homes	KPH Bldg. Drainage modifications	25.8	Rain water accumulates in parking lot and adjacent bldg. foundation due to lack of proper drainage, requiring extending drainage ditch between hillside and parking lot to eliminate resident and staff falls from icing and foundation deterioration.	Ketchikan
	4	Administration Pioneers' Homes	FPH Aurora entry door upgrade	20.4	Exterior bldg. entry doors directly adjacent to resident rooms, that must be used for deliveries and emergency vehicles, must be propped open in extremely cold weather, requiring electronic door openers to protect residents from extreme conditions.	Fairbanks
	5	Administration Pioneers' Homes	PPH Bathroom remodel	15.0	Two resident bathrooms are inadequately sized for residents with wheelchairs to manage; resulting in falls - requiring they be converted into one unisex bathroom to eliminate injury during use.	Palmer
	6	Administration Pioneers' Homes	APH Special Care Unit Bathing rooms, South Bldg.	144.6	South Bldg. SCU's lack bathing rooms to meet residents needs to ensure safe assisted bathing functions - requiring two rooms be converted to bathing rooms to meet their needs	Anchorage
	7	Administration Pioneers' Homes	APH 1st Floor Dining Rm. Renovation	25.9	Existing South Bldg. dining room access is not distinguishable to confused residents, requiring wall be opened to corridor to reduce residents' anxiety and wandering.	Anchorage
	8	Administration Pioneers' Homes	KPH SCU Bathing Rm., 3rd Floor	98.3	Residents can no longer bathe independently, resulting in unsafe bathing practices in small, inaccessible bathrooms - requiring a larger bathing room to reduce danger to residents and staff injuries in bathing activities.	Ketchikan
	9	Administration Pioneers' Homes	FPH SCU Moosewood Renovation	150.0	Renovations will provide a safe SCU for ADRD residents who are no longer able to care for themselves.	Fairbanks
	10	Administration Pioneers' Homes	FPH SCU Aurora Dining/Physical Therapy Conversion	175.0	Resident care areas do not have adequate space to perform proper care requiring space modifications to provide safe and appropriate services to residents.	Fairbanks
	11	Administration Pioneers' Homes	FPH SCU Activity Area Relocation	31.1	The small area for required resident activities and storage of supplies is inadequate. Requiring space renovation to eliminate problem and enable delivery of necessary activities to residents.	Fairbanks
	12	Administration Pioneers' Homes	PPH SCU Sunny Loop Renovation	417.5	This resident care area does not meet the ADRD needs of residents. Requiring it be separated into two resident living areas with appropriate bathing, eating, and activity areas. Enabling residents to be served according to their special needs.	Palmer
	13	Administration Pioneers' Homes	PPH SCU Homestead Trail Bathing Rm. Upgrade	39.4	Existing bathing room is claustrophobic. Resulting in difficulty in encouraging ADRD residents to bathe with old fixtures and inadequate lighting - requiring modifications to eliminate substandard conditions.	Palmer
	14	Administration Pioneers' Homes	PPH SCU Court Yard Access	5.2	Existing court yard is inaccessible to ADRD residents for required activities - necessitating exterior window be replaced with door unit.	Palmer
	15	Administration Pioneers' Homes	SPH SCU Renovation, 3rd Floor North	270.0	This resident care area does not meet the ADRD needs of residents, requiring it be upgraded with appropriate bathing, eating, and activity areas to enable residents to be served according to their special needs.	Sitka
	16	Administration Pioneers' Homes	KPH SCU Bathing Rm., 2nd Floor	112.4	Residents can no longer bath independently, resulting in unsafe bathing practices in small, inaccessible bathrooms. Requiring a larger bathing room to reduce danger to residents and staff injuries in bathing activities.	Ketchikan
	17	Administration Pioneers' Homes	JPH SCU Kitchen/Dining/Act./Bathing Rm. Remodel	470.8	Resident areas do not meet resident's ADRD needs. Requiring remodel of dining, activity area, and adjacent kitchen; including replacement of steam generator, obsolete kitchen equipment, and bathing room to enable residents to be served properly.	Juneau
	18	Administration Pioneers' Homes	APH Facility-wide Wanderer System	161.0	Bldg. lacks proper electronic signaling devices on numerous exterior and interior doors that require wanderer alarms to protect ADRD residents from elopement and harm.	Anchorage
	19	Administration Pioneers' Homes	APH Electrical Upgrades	627.2	Bldg. emergency electrical system and other electrical components, including telephone system, are failing or are not adequate to meet safety standards and occupancy classification codes.	Anchorage
	20	Administration Pioneers' Homes	FPH Fire Alarm Pull Stations/Emergency Light Upgrades	120.9	Bldg. fire alarm pull stations are miss located. Emergency lighting is inadequate. Requiring modifications and additions to meet safety codes and ensure resident safety.	Fairbanks
	21	Administration Pioneers' Homes	FPH Major Electrical Systems Renovation	740.4	Bldg. electrical system has numerous code violations and fire danger related to installed components or lack of proper equipment; including engagement devices for fire alarm that result in fire hazards throughout the bldg. and create fire & life safety.	Fairbanks
	22	Administration Pioneers' Homes	PPH Electrical Renovations	305.0	Bldg. has numerous documented electrical code violations and unsafe electrical wiring conditions. Requiring system upgrades to ensure safety of residents and staff	Palmer

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Dept.			Bond Amount		
Priority	Department	Project Title	(\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
23	Administration Pioneers' Homes	FPH Bldg. Structural Analysis/Repairs	276.6	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe in heavy winds or earthquakes for resident occupancy.	Fairbanks
24	Administration Pioneers' Homes	KPH Bldg. Structural Renovations	602.0	Bldg. has structural design faults that require identified repairs to make the bldg. safe in heavy winds or earthquakes for resident occupancy.	Ketchikan
25	Administration Pioneers' Homes	PPH Bldg. Structural Analysis/Repairs	273.4	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe, in heavy winds or earthquakes, for resident occupancy	Palmer
26	Administration Pioneers' Homes	APH Bldg. Structural Analysis/Repairs	118.9	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe, in heavy winds or earthquakes, for resident safety.	Anchorage
27	Administration Pioneers' Homes	FPH Crawl Space Renovations	311.6	Bldg. crawl space, that acts as return air plenum, has numerous flammable materials and equipment components that must be removed/replaced to meet fire code and ensure safety of residents.	Fairbanks
28	Administration Pioneers' Homes	FPH Major Systems Replacement (Phase II)	1,732.7	Bldg. components were constructed inappropriately or do not meet code requirements ( i.e., exterior wall assembly/attic perimeter lack vapor barrier and adequate fire protection, improper roof drainage system that leads to freeze/thaw conditions and icing).	Fairbanks
29	Administration Pioneers' Homes	KPH Mechanical Upgrades	59.9	Bldg. has mechanical deficiencies including asbestos at boiler stack, inadequate combustion air supply to boiler room; and lacks proper protective kitchen exhaust duct cap resulting in mechanical code violations and operations inefficiencies.	Ketchikan
30	Administration Pioneers' Homes	SPH Ventilation System Compliance Upgrade	1,712.3	Ventilation system for west & east wings & core of bldg. lacks sufficient air exchange and fresh air supply; requiring replacement to ensure healthy environment for residents and staff.	Sitka
31	Administration Pioneers' Homes	JPH Mechanical Upgrades	172.0	Bldg. has mechanical deficiencies. Including: lack of kitchen grease trap, combustion boiler room air and oxygen storage room exhausting, and bldg. ventilation system deficiencies - resulting in mechanical code violations and unsafe conditions for residents.	Juneau
32	Administration Pioneers' Homes	PPH Ventilation & Mechanical Renovations	1,414.0	Bldg. has numerous documented mechanical code violations, poor air quality, and inadequate room heating capacity - resulting in discomfort to residents. Requiring upgrades in both ventilation and resident room and toilet/bathing heating units.	Palmer
33	Administration Pioneers' Homes	APH Heating System & Mechanical Renovation	803.8	Bldg. heating system and other mechanical components are aging (showing piping leaks, equipment failure and pneumatic controls failure). Requiring replacement with new components and direct digital heating controls to ensure resident safety and comfort.	Anchorage
<b>Department Total</b>			<b>12,184.9</b>		
1	Corrections	Spring Creek Drainage Repairs and Snow Removal Equipment	750.0	Drainage problems are causing repeated flooding of parts of the facility, requiring drainage repairs and removal of snow to correct.	Seward
2	Corrections	Hiland Mt. Domestic Water Installation	400.0	The facility currently relies on inadequate wells. Connection to the city water supply is needed to provide an adequate quantity and quality of water.	Eagle River
3	Corrections	Utility System Repairs and Energy Audits	500.0	Repairs are needed to utility systems in most of the correctional facilities. Energy audits will enable reductions in utility costs.	Statewide
4	Corrections	Perimeter fences, alarms and gates	2,525.0	Improve security by installing a perimeter fence at Hiland Mt. And repair fences, gates, cameras and alarms at other correctional facilities.	Statewide
5	Corrections	Palmer Medium Housing Security Upgrades	500.0	The current level of security is inadequate to prevent prisoner escapes. Security upgrades are necessary to contain inmates.	Palmer
6	Corrections	Tuberculosis Isolation Cells and Ventilation	600.0	A statewide analysis is required to develop fully compliant systems at all correctional facilities. This project will also install improved ventilation systems to reduce the spread of tuberculosis.	Statewide
7	Corrections	PMRC Leach Field Repairs	100.0	Replace two clogged leach fields (ATCO compound #1 & Bunkhouse Bldg.) and install grease trap in the kitchen.	Wasilla
8	Corrections	CIPT East Gate and Supports	75.0	Replace remotely-operated service yard vehicle gate, which has failed.	Anchorage
9	Corrections	FCC Unit III Fire Alarm System	70.0	Replace fire alarm detection / control system and field devices.	Fairbanks
10	Corrections	HMCC/MCCC Fire Alarm System Repair	85.0	Replace defective MCCC fire alarm panel and field devices.	Eagle River
11	Corrections	HMCC Fire Pump Day tank Replacement	15.0	Replace defective diesel fuel oil day tank in Fire Pump room.	Eagle River
12	Corrections	CIPT Water Line Replacement	250.0	Replace corroded cold water and hot water distribution lines within the building.	Anchorage
13	Corrections	HMCC Electrical Switchgear Replacement	15.0	Replace main switchgear in the HMCC generator room.	Eagle River
14	Corrections	KCC Intercom / CCTV Repair	30.0	Replace defective intercom system and remaining defective CCTV surveillance system components.	Ketchikan
15	Corrections	MSPT Intercom Repair	50.0	Replace defective intercom system.	Palmer
16	Corrections	SCCC Exterior Repair Ph II	250.0	Repair / replace buckling north exterior wall of APS building.	Seward
17	Corrections	CIPT Roof Repair	800.0	Replace roofing system (18 leaks on both upper and lower roofs, including water entry into electrical conduits and light fixtures)	Anchorage

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
18	Corrections	HMCC Sloped Roof Repairs, Phase I	750.0	Replace sloped roofing on the Administration Building and Housing Units 1, 2, 3 & 4, much with water damage to asbestos fire proofing.	Eagle River
19	Corrections	LCCC Roof Repair (Ph 3)	400.0	Replace last phase of upper Main Building roofs, which leaks into food service and adjoining areas.	Juneau
20	Corrections	FCC Phase I Roof Repairs	100.0	Repair / replace leaking roofs on Building #1.	Kenai
21	Corrections	FCC Roof Analysis	20.0	Perform condition survey of all FCC roof surfaces to determine project scope.	Fairbanks
22	Corrections	YKCC Roof Repair	20.0	Perform condition survey of all YKCC roof surfaces to determine project scope	Bethel
23	Corrections	FCC TB Isolation Cell Ventilation	75.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Fairbanks
24	Corrections	PCC Underground Fuel Tanks	150.0	Replace two underground heating oil fuel tanks, Medium Compound and Administration Building.	Sutton
25	Corrections	PCC Water System Repairs	200.0	Connect Well #3 into the water distribution system to provide backup water source.	Sutton
26	Corrections	YKCC Fire Alarm System Repair	45.0	Replace fire alarm controls and field devices.	Bethel
27	Corrections	PCC Fuel Oil Day Tank Replacement	135.0	Replace fuel oil day tanks in selected mechanical rooms.	Sutton
28	Corrections	WCC Phase II Asbestos Abatement	150.0	Abate asbestos in buildings #1, 15, and 8.	Kenai
29	Corrections	FCC Security Gates #1 & #2 Replacement	150.0	Replace Vehicle Sallyport Security Gates #1 & #2, including operators, locks and controls.	Fairbanks
30	Corrections	FCC Yard Out Door Replacement	15.0	Replace the yard Out security door, including electronic controls.	Fairbanks
31	Corrections	FCC Unit III Control Room Intercom Repair	30.0	Replace intercom system in Unit III.	Fairbanks
32	Corrections	PCC Perimeter Alarm Repair	650.0	Repair / replace FPS perimeter security alarm system.	Sutton
33	Corrections	HMCC Control Room Upgrades	200.0	Replace security control console, CCTV monitors / controllers and associated control room equipment.	Eagle River
34	Corrections	LCCC Gate Operator Replacement	65.0	Replace vehicle sallyport gate operator.	Juneau
35	Corrections	PCC Security Door Locks Repair	60.0	Repair security locks in the medium compound.	Sutton
36	Corrections	YKCC Building Structural Evaluation	10.0	Structural engineering analysis of pilings, walls and roof: leveling problem.	Bethel
37	Corrections	HMCC Fire / Life Safety Repairs	60.0	Repair HMCC fire alarm system and overhaul diesel fire pump.	Eagle River
38	Corrections	HMCC Complex M/E HVAC Evaluation	50.0	Evaluate HMCC and MCCC mechanical & electrical systems.	Eagle River
39	Corrections	KCC Sewage Grinder	150.0	Install a sewer grinder in an exterior vault to prevent materials entering the public sewer system.	Ketchikan
40	Corrections	LCCC Sewage Grinder	200.0	Install a sewer grinder in an exterior vault to prevent materials entering the public sewer system.	Juneau
41	Corrections	HMCC Sloped Roof Repairs, Phase II	850.0	Replace sloped roofing on HMCC housing, Units 3 & 4 and flat roofs on MCCC buildings.	Eagle River
42	Corrections	PCC Min. P&S Fire Alarm	20.0	Replace Minimum Programs & Support Building fire alarm system.	Sutton
43	Corrections	SCCC CCTV Surveillance System Repair	150.0	Replace CCTV surveillance system cameras and monitors.	Seward
44	Corrections	DOC Preventive Maintenance System	225.0	Replace the current DOC maintenance management system.	Statewide
45	Corrections	PMRC Kitchen/Dining Room replacement	900.0	Replace kitchen and dining room.	Wasilla
46	Corrections	PMRC Housing - 20 replacement beds	1,100.0	Construct 20 replacement beds to replace failing ATCO trailer units; Includes sprinkler system.	Wasilla
47	Corrections	FCC Boiler Room Combustion Air Correction	80.0	Install code-complying combustion air system in the boiler room.	Fairbanks
48	Corrections	LCCC TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Juneau
49	Corrections	HMCC/MCCC TB Isolation Cell Ventilation	75.0	Repair MCCC TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Eagle River
50	Corrections	HMCC/MCCC Fuel Tank & Piping	60.0	Replace MCCC underground heating oil tank.	Eagle River
51	Corrections	PCC Aboveground Fuel Tank Replacement	50.0	Replace single wall aboveground fuel tanks with properly-contained double wall tanks.	Sutton
52	Corrections	WCC HVAC - Bldg. # 10 Boiler	500.0	Replace Building #10 boiler and relocate current boiler to Building #12.	Kenai
53	Corrections	YKCC Waste Heat / Boiler Replacement	150.0	Replace DHW heat exchanger / storage tank and enlarge boiler to meet load requirements.	Bethel
54	Corrections	WCC Pretrial TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation in Building #5 to meet airborne pathogens code requirements.	Kenai
55	Corrections	WCC Bldg. #5 / #10 Emerg. Gen.	80.0	Replace Building #10 generator and move existing unit to Building #5.	Kenai
56	Corrections	WCC Bldg. #10 Fire Alarm	190.0	Replace Building #10 fire alarm system.	Kenai
57	Corrections	WCC Bldg. #5 Fire Alarm	190.0	Replace Building #5 fire alarm system.	Kenai
58	Corrections	FCC Gym Glazing (Lexan) Replacement	4.0	Replace gym / main corridor LEXAN glazing.	Fairbanks
59	Corrections	FCC Exterior Booking Doors Replacement	10.0	Replace exterior entry doors in the booking area.	Fairbanks
60	Corrections	FCC CCTV Cameras Replacement	15.0	Replace defective CCTV surveillance cameras and monitors.	Fairbanks
61	Corrections	PCC TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation in the Medium Medical Segregation area to meet airborne pathogens code requirements.	Sutton
62	Corrections	FCC Unit III Gym Door Replacement	30.0	Replace gym security door.	Fairbanks
63	Corrections	FCC Industries Bldg. Gate Repair	60.0	Replace Industries Building vehicle security gate.	Fairbanks
64	Corrections	KCC TB Isolation Cell Ventilation	75.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Ketchikan
65	Corrections	HMCC Perimeter Alarm Repair	650.0	Repair / replace FPS perimeter security alarm system.	Eagle River
66	Corrections	KCC Security Controls Repair	175.0	Replace security control system.	Ketchikan
67	Corrections	PCC Med. Housing Doors Replacement	125.0	Replace security doors in the Medium housing units.	Sutton
68	Corrections	MSPT TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Palmer
69	Corrections	FCC Roof Repair	800.0	Replace roofing system.	Fairbanks

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description	Location
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70	Corrections	PCC Med. Walkway Repair	100.0	Replace the Medium Compound walkway canopy roof, which is currently rotting.	Sutton
71	Corrections	PCC Admin. Roof Replacement	30.0	Replace existing deteriorated shingle roof with metal roofing.	Sutton
72	Corrections	WCC Phase II Roof Repairs	270.0	Repair / replace roofs on Buildings #7, 8, 5, 15 & 55.	Kenai
73	Corrections	AMCC Exterior Repair	150.0	Repair spalling concrete & exposed rebar on precast wall panels.	Nome
74	Corrections	PCC Sewer Main Extension	600.0	Replace 2 septic systems (serving 5 buildings) by extending the sewer trunk.	Sutton
75	Corrections	FCC Building Exterior Repairs	50.0	Repair spalling in concrete walls, repair rusted rebar and repaint.	Fairbanks
76	Corrections	YKCC Interior Walls / Windows Repair	10.0	Repair deteriorated plaster walls in housing units which have been damaged by excess condensation on exterior windows.	Bethel
77	Corrections	AMCC HVAC Repairs	100.0	Repair HVAC system serving the Control Room and Booking area.	Nome
78	Corrections	AMCC Refrigeration Compressors	50.0	Replace compressor units.	Nome
79	Corrections	CAPT Floor Drains Repairs	40.0	Repair floor drains in Alpha/Bravo and Juliet/Kilo housing modules.	Anchorage
80	Corrections	FCC Gym HVAC Repair	9.0	Replace falling unit heater heating coil, valves and controls.	Fairbanks
81	Corrections	FCC Walk-in Cooler & Freezer Replacement	200.0	Replace walk-in cooler & freezer units.	Fairbanks
82	Corrections	FCC Unit II Sewer & Floor Drain Repair	25.0	Repair leaking Unit II sewer lines and floor drains.	Fairbanks
83	Corrections	KCC Washer / Drier Foundation Repair	15.0	Replace concrete foundation under institutional washers and dryers.	Ketchikan
84	Corrections	FCC Industries Bldg. Boiler Repair	10.0	Replace Industries Building boiler.	Fairbanks
85	Corrections	FCC Gym Mech. Rm. Controls Repair	40.0	Replace Gym Mechanical Room HVAC controls.	Fairbanks
86	Corrections	FCC Exhaust Fan Controls Repair	3.0	Replace exhaust fans controls.	Fairbanks
87	Corrections	KCC Dishwasher Ventilation	70.0	Replace the Kitchen dishwasher ventilation system.	Ketchikan
88	Corrections	PCC Med. Dishwasher Replacement	60.0	Replace Medium Kitchen dishwasher.	Sutton
89	Corrections	PCC Med. Walk-in Cooler Replacement	100.0	Replace Medium Kitchen walk-in cooler.	Sutton
90	Corrections	PCC Med. HVAC Repairs	500.0	Repair Medium Programs & Support Building heating and ventilating system.	Sutton
91	Corrections	PCC Min. Dishwasher Replacement	60.0	Replace Minimum kitchen dishwasher.	Sutton
92	Corrections	PCC VRC Electrical & Mechanical Repair	35.0	Electrical, mechanical and architectural repairs in the Visitors Reception Center.	Sutton
93	Corrections	PCC Kitchen Water Softeners	25.0	Install water conditioning for critical appliances in both kitchens to prevent calcium buildup and resulting early equipment failure.	Sutton
94	Corrections	SCCC Water Line Replacement / Treatment	100.0	Replace corroded water lines in Housing Units 1, 2, & 3.	Seward
95	Corrections	SCCC Valve Replacement	50.0	Replace valves on VAV heating Boxes.	Seward
96	Corrections	SCCC Exhaust Fans: APS, Housing.	15.0	Replace exhaust fans in the APS and housing buildings.	Seward
97	Corrections	SCCC Hot Water Mixing Valves	12.0	Replace hot water mixing valves in Medical Segregation and Housing Units 1, 2, & 3.	Seward
98	Corrections	WCC Bldg. #15/8/14/13 HVAC Repair	125.0	Replace HVAC equipment in Buildings #15, 8, 14 and 13.	Kenai
99	Corrections	WCC Plumbing Fixtures & Water Lines	45.0	Repair plumbing fixtures and water lines in Buildings #5 & 10.	Kenai
100	Corrections	YKCC HVAC Controls Evaluation	70.0	Repair / recalibrate HVAC pneumatic control system.	Bethel
101	Corrections	YKCC Water Treatment System Repair	50.0	Repair chlorination and iron removal water treatment system in Class "A" water system.	Bethel
102	Corrections	PCC Maintenance Shop Repairs	70.0	Architectural, mechanical and electrical repairs in the shop buildings.	Sutton
103	Corrections	FCC Elevator Repair	100.0	Repair kitchen / loading dock hydraulic elevator.	Fairbanks
104	Corrections	FCC Sink Hole Repair	10.0	Repair sink hole in the public parking lot sidewalk.	Fairbanks
105	Corrections	FCC Admin Security Door Replacement	5.0	Replace administration area exterior entry security door.	Fairbanks
106	Corrections	KCC Rock Stabilization & Property Fence	135.0	Stabilize exposed rock banks and replace property fence along top of the rock face.	Ketchikan
107	Corrections	LCCC Perimeter Alarm Repair	700.0	Repair inoperative perimeter security alarm system.	Juneau
108	Corrections	MSPT Kitchen Floor Repair	150.0	Replace delaminating ceramic tile flooring.	Palmer
109	Corrections	PCC Admin Bldg. Repairs	25.0	Architectural, mechanical and electrical repairs in the Administration Building.	Sutton
110	Corrections	PCC Programs & Support Repairs	60.0	Architectural, mechanical and electrical repairs in the Minimum Programs & Support Building.	Sutton
111	Corrections	PCC Med. Kitchen Repairs	130.0	Architectural, mechanical and electrical repairs in the Medium Compound kitchen.	Sutton
112	Corrections	PCC Min. Kitchen Repairs	150.0	Architectural, mechanical and electrical repairs in the Minimum Compound kitchen.	Sutton
113	Corrections	PMRC Deferred Maintenance	150.0	Architectural, structural, mechanical and electrical repairs in the administration, programs and original two housing buildings.	Wasilla
114	Corrections	PMRC Repairs	600.0	Architectural, structural, mechanical and electrical repairs in the main barn, maintenance and other farm buildings.	Wasilla
115	Corrections	YKCC North/South Vehicle Gates Replacement	40.0	Repair gate roller assemblies and correct icing problems.	Bethel
116	Corrections	PCC Water System	2,818.5	Upgrade the Class "A" water distribution system to provide proper water treatment and storage capacity.	Sutton
<b>Department Total</b>			<b>25,824.5</b>		
1	Education	Mt. Edgecumbe High School Repair and Renovation	6,159.2	These facilities are in need of extensive repairs and renovation.	Sitka

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description	Location
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2	Education	AVTEC First Lake Facility Elevator Replacement	103.5	The current elevator is more than 50 years old and has exceeded its service life, resulting in very unreliable service and excessive repair costs.	Seward
3	Education	AVTEC Dormitory Renovation	2,478.0	Renovation is necessary to correct code violations and provide acceptable living conditions for students.	Seward
4	Education	AVTEC Apartment Buildings Interior and Exterior Renovation	138.0	Purchase of the Alderwood apartments for student housing requires renovations to correct code violations and structural deficiencies.	Seward
<b>Department Total</b>			<b>8,876.7</b>		
1	Fish and Game	Emmonak Field Office Construction	200.0	New office space is required to provide adequate space for managing Yukon River fisheries.	Emmonak
2	Fish and Game	Bunkhouse (AYK); Replacement	650.0	Required for employee health and safety. (750.0)	Bethel
3	Fish and Game	Kodiak Office: Replace ACM Siding	500.0	Asbestos siding and weather coat deteriorated.	Kodiak
4	Fish and Game	Cold Storage Building Repairs; Statewide	50.0	Rehab. roofs/siding/ foundations/etc. (75.0)	Statewide
<b>Department Total</b>			<b>1,400.0</b>		
1	Health & Social Services.	Statewide Deferred Maintenance and Renovation	1,600.0	Fund priority deferred maintenance at 38 state-owned buildings to preserve assets and reduce future repair costs.	Statewide
2	Health & Social Services.	MYC Food Service, Ventilation, Sanitation and Safety Project	480.3	Project is to completely remediate and refurbish the McLaughlin Youth Center kitchen. The kitchen has been subject to extremely hard use for over 30 years, has insufficient food service capacity, and needs to be brought up to current health and safety codes. Interior steam piping must be replaced as well as the unserviceable kitchen equipment.	Anchorage
3	Health & Social Services.	Juneau Health Center Heating and Ventilation System	410.0	Replace the antiquated and failing heating and ventilation (HVAC) system at the Juneau Public Health Center (JPHC) to bring the system up to code, to increase energy efficiency, and to improve patient and staff safety. For the State to continue to ignore the HVAC problems risks an interruption of services to the public. (500.0)	Juneau
4	Health & Social Services.	Sitka Health Center Safety and Security Upgrades	106.3	Safety and security upgrades for the Sitka Public Health Center facility are necessary to make existing space programmatically appropriate for the Division of Public Health and the Division of Juvenile Justice. (125.0)	Sitka
5	Health & Social Services.	Juneau Health Center Exterior Painting	20.2	The exterior siding has not been painted since construction in 1985 and has degraded. Seal and paint siding as needed. (24.7)	Juneau
6	Health & Social Services.	MYC Cottage 4 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.	Anchorage
7	Health & Social Services.	MYC Cottage 4 Window Replacement	91.3	The bedrooms have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.	Anchorage
8	Health & Social Services.	MYC Cottage 4 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.	Anchorage
9	Health & Social Services.	Assets Building Exterior Lighting Repair	32.9	The west end of the parking lot does not have lighting. This is a safety risk. Install two light poles as needed on the west side of the parking lot.	Anchorage
10	Health & Social Services.	MYC Cottage 2 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.	Anchorage
11	Health & Social Services.	MYC Cottage 2 Window Replacement	91.3	The bedrooms have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.	Anchorage
12	Health & Social Services.	Sitka Health Center Window Replacement	47.8	Windows are nearly 25 years old and are wood-framed. They are rotting and beginning to leak. (57.6)	Sitka
13	Health & Social Services.	Griffin Memorial Building Water Service, Window & Door Repair	85.5	Pressure reducing valve required to lower incoming water pressure. Windows and doors are 50 years old and in need of replacement.	Kodiak
14	Health & Social Services.	MYC Cottage 2 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.	Anchorage
15	Health & Social Services.	MYC Cottage 1 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.	Anchorage
16	Health & Social Services.	MYC Cottage 1 Window Replacement	91.3	The bedrooms in all cottages have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways of three cottages has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.	Anchorage
17	Health & Social Services.	MYC Cottage 1 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.	Anchorage

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Dept.			Bond		
Priority	Department	Project Title	Amount	Project Description	Location
			(\$000)	Total cost is in parentheses if other funds will be included.	
18	Health & Social Services.	Bethel Youth Facility Heat Exchanger Repair	32.9	The existing domestic water heat exchanger has reached the end of its life cycle term and has started to fail. The internal bundle has been replaced as a stop-gap measure. Replacement with a plate style of heat exchanger will require less space and be more efficient.	Bethel
19	Health & Social Services.	Bethel Youth Facility Lift Station Move	115.2	The sewage lift station is located in a classroom adjacent to a demising wall. When service is required, the classroom must be taken out of service and rearranged in order to open the access door. This takes a significant amount of time during which the facility can not use water. The float controls are inaccessible for service. It also needs a larger capacity tank. Relocate lift station to the exterior of the facility. Design is needed.	Bethel
20	Health & Social Services.	Johnson Youth Center Day Room Structural Survey	10.7	Dayroom ceiling is sagging and in need of repair.	Juneau
21	Health & Social Services.	Assets Building Structure & Roof Repairs	112.7	Repairs to the parking lot, sidewalk, entry locks, canopy and roof drainage system are necessary.	Anchorage
22	Health & Social Services	Fairbanks Youth Facility Water Remediation	49.4	The domestic water contains significant amounts of minerals that are shortening the life of all water heating equipment due to scale build up. Install a filtering/softener system to remedy this.	Fairbanks
23	Health & Social Services.	Juneau Health Center Exterior Lighting & Wall Repairs	20.9	There is inadequate exterior lighting on the east and south sides of the facility. Exterior walls need to be patched and repaired. (25.5)	Juneau
24	Health & Social Services.	Bethel Youth Facility Wall Repair	57.8	The marlite panels in the showers and in the kitchen have begun to delaminate and need to be replaced with FRP panels, or another moisture resistant product. There are also many damaged areas inside the detention cells due to gypsum wallboard susceptibility to damage. Laminate wallboard with durable sheet goods.	Bethel
25	Health & Social Services.	Nome Youth Facility Door & Lockset Repair	39.5	Door & lockset repair	Nome
26	Health & Social Services.	Ketchikan Health Center Insulation & Sidewalk Repair	24.3	The sidewalk has deteriorated from salts and needs to be replaced in some areas to remove tripping hazards. Foundation is not insulated and is in need of insulation. (29.6)	Ketchikan
27	Health & Social Services.	Assets Building Ventilation Repair	65.8	The production room on the east end of the facility has a significant amount of humidity accumulation and will continue to have problems with condensation. Installation of a make up air unit is needed.	Anchorage
28	Health & Social Services.	Assets Building Floor Covering Replacement	49.4	The vinyl on the west side of the facility is 20 yrs old and needs replaced. The vinyl flooring in the men's room has also failed and needs replaced.	Anchorage
29	Health & Social Services.	Assets Building Control System Replacement	230.3	The existing controls are obsolete, and in several areas are non-functioning. This severely impacts the indoor air quality of this facility. Replace the existing control system with a direct digital control system.	Anchorage
30	Health & Social Services.	Assets Building Pipe Replacement	246.8	Several sections of the domestic plumbing have experienced significant electrolysis and have failed. Replacement of these sections and installation of dielectric unions is needed.	Anchorage
31	Health & Social Services.	Bethel Youth Facility Roof, Window And Electrical Repairs	37.0	Roof, window, and electrical are old, failing, and in need of repair.	Bethel
32	Health & Social Services.	Ketchikan Health Center Exterior Paint	27.0	The exterior paint is 12 years old. The siding needs to be re-painted in order to preserve the wood. (32.9)	Ketchikan
33	Health & Social Services.	Fairbanks Youth Facility Roof & HVAC Repairs	55.1	The roof over the multi-purpose room has inadequate drainage. Up to 6 inches of water and ice collect on the roof. This results in loads heavier than that for which the building was designed. Install 2 additional roof drains.	Fairbanks
34	Health & Social Services.	Bethel Public Health Nursing Annex Roof, Insulation & Drainage Repairs	44.1	The surface water from the parking lot drains underneath the annex building. This creates problems with the foundation footing. Bring fill in to relocate drainage to a more suitable location.	Bethel
35	Health & Social Services.	MYC Fire/Life Safety Repairs	60.5	Various roof repair and drainage projects including ceiling seismic bracing.	Anchorage
36	Health & Social Services.	Sitka Health Center Lighting & Door Replacement	22.5	The main entry door has weathered beyond repair and needs to be replaced. (27.1)	Sitka
37	Health & Social Services.	MYC Building B&C Steel Deck Painting	28.3	The steel roof decking that was painted in the maintenance, shipping/receiving and storage areas has failed. Flaking paint is carried into food preparation and laundry storage areas causing unsafe conditions. Repainting with proper application is needed.	Anchorage
38	Health & Social Services.	MYC Building B&C Cabinet Unit Heater Replacement	32.9	The cabinet unit heaters located in the hallways of buildings "B" & "C" are more than 30 years old and to be need replaced because parts are no longer available and are difficult to maintain.	Anchorage
39	Health & Social Services.	Denardo Center Building Envelope Repairs	97.1	The exterior siding is starting to be exposed to the weather and needs to be resealed. Most of the wood doors are damaged and need to be replaced. This cost includes the replacement of locksets, as they are non-maintainable and are starting to fail.	Fairbanks

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses. Other funds will be included.	Location
	40	Health & Social Services.	MYC Building B&C Roof Repairs	41.1	The EPDM roofing on Detention and the boiler room have had leaks due to failed seams. Debris has been found between the pavers and the membrane. These roofs need cleaned, inspected and repaired as needed. There are several areas on all roofs that need to have vegetation removed. The parapet caps on buildings B & C need repainted. There are also several places where fasteners have been installed on top of the cap causing potential leaks. Repaint caps and seal all penetrations.	Anchorage
	41	Health & Social Services.	MYC Building B&C and Cottage 4 Probation and Miscellaneous Repairs	4.9	The canopy lights located at both entries at the probation building use "A" style incandescent bulbs and burn out frequently. Replace with more efficient and long life high pressure sodium fixtures. Also replace dishwasher and range with newer, more efficient models.	Anchorage
	42	Health & Social Services.	MYC Building B&C Roof Drain Installation	41.1	The hallway roof on building B&C utilized an inadequate scupper system which results in a significant amount of standing water. Install the drains and leaders required for proper water removal.	Anchorage
	43	Health & Social Services.	Nome Youth Facility Shower Repairs	49.4	The restroom and showers were constructed of residential quality shower stalls and marble panels which have poor long term performance. Remove and replace with tile.	Nome
<b>Department Total</b>				<b>5,312.6</b>		
	1	Military and Veterans Affairs (DMVA)-Army	Alaska Military Youth Academy Deferred Maintenance and Energy Conservation	198.3	Fund priority deferred maintenance items and reduce utility costs.	Fort Richardson
	2	DMVA-Army	Alaska Military Youth Academy Dining Facility Renovation	109.5	Dining facility requires renovations to adequately serve the number of students and staff using the facility.	Fort Richardson
	3	DMVA-Army	ARMORY, REPLACE COMPOSTING TOILET	3.8	Not maintainable. Replace with interior, efficient unit. (15.0)	Teller
	4	DMVA-Army	ARMORY, Jewel Lake REPLACE ROOF	200.0	Exceeded design life. Roof leaks patched numerous times.	Anchorage
	5	DMVA-Army	ARMORY, REPLACE ROOF	75.0	Exceeded design life. Roof leaks patched numerous times. (150.0)	Nome
	6	DMVA-Army	ARMORY, REPLACE BOILER	25.0	Exceeded design life/inefficient. Was oil now natural gas.	Wasilla
	7	DMVA-Army	UNHEATED STORAGE BUILDING, CORRECT DRAINAGE	30.0	Bldg. floods in spring, need drain tile and sumps.	Nome
	8	DMVA-Army	ARMORY, REPLACE WATER SYSTEM	10.0	Well treatment equipment requires constant attention. Replace.	Bethel
	9	DMVA-Army	USP&FO, REPAIR ROOF	25.0	Drain runoff away from bldg. Extend o/hang & air conditioning. (100.0)	FL Richardson
	10	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)	Elim
	11	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)	Teller
	12	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	10.0	Wooden sash dry rotting & thermopanes leaking. Replace.	Shishmaref
	13	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)	Brevig Mission
	14	DMVA-Army	ORGANIZED MAINTENANCE SHOP, REPAIR EXTERIOR	6.3	Exterior paint cracking, flaking, repaint to protect. (25.0)	Fairbanks
	15	DMVA-Army	ARMORY, REPLACE FOUNDATION W/TRIODETIC	10.0	Structural dry rot of post/beams. Replace w/metal truss. (40.0)	Elim
	16	DMVA-Army	USP&FO, REPAIR ELECTRICAL	10.0	Inadequate power for work stations. Add power to bldg. (40.0)	FL Richardson
	17	DMVA-Army	ARMORY, ENCAPSULATE ASBESTOS MAINSCOT W/FRP BOARD	2.5	Transite panels exposed in workbay. Overlay. (10.0)	Nome
	18	DMVA-Army	ARMORY, REPAIR UNDERGROUND ELECTRICAL	100.0	Old poles/transformers o/h to 5 buildings. Put underground.	Wasilla
	19	DMVA-Army	ORGANIZED MAINTENANCE SHOP, REPAIR SIDING	6.5	Surface delaminating. Replace damage & install metal siding. (25.0)	Nome
	1	DMVA-Kulis	Repair ventilation, Bldg. 45	13.8	Increase amount of air movement. (55.0)	Kulis\Anchorage
	2	DMVA-Kulis	Maintain aircraft aprons	11.3	Repair cracks and seal. (45.0)	Kulis\Anchorage
	3	DMVA-Kulis	Eliminate ice build up on exterior surfaces	1.6	Eliminate ice build up on exit doors. (6.5)	Kulis\Anchorage
	4	DMVA-Kulis	Install fence around antenna towers	2.0	Electrical shock can occur without fence. (8.0)	Kulis\Anchorage
	5	DMVA-Kulis	Replace oil/water tank monitors	3.8	Prevent tanks from overflow. (15.0)	Kulis\Anchorage

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Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	6	DMVA-Kulis	Replace main parking lot stairways	2.5	Existing stairways are unsafe needs replacement. (10.0)	Kulis\Anchorage
	7	DMVA-Kulis	Extend canopy over back stairs	1.3	Prevent ice buildup on exterior steps. (5.0)	Kulis\Anchorage
	8	DMVA-Kulis	Replace door AGE Bldg. 47	1.3	Allow movement of equipment inside. (5.0)	Kulis\Anchorage
	9	DMVA-Kulis	Install air conditioning Bldg. 21	2.5	Command Post area summer environmental. (10.0)	Kulis\Anchorage
	10	DMVA-Kulis	Alterations to eliminate glaciation, Bldg. 45 (fuel Cell)	2.5	Glaciers of ice form and fall on lower roof. (10.0)	Kulis\Anchorage
	11	DMVA-Kulis	Repair sewer line Bldg. 72-42	5.0	Sewer line freeze during winter/low section. (20.0)	Kulis\Anchorage
	12	DMVA-Kulis	Refurbish Bldg. 9 to fit mission	7.5	Old motorpool being used as mobility processing area. (30.0)	Kulis\Anchorage
	13	DMVA-Kulis	Enclose LOX cart facility/construct	16.3	Unit compliance findings/safety in handling. (65.0)	Kulis\Anchorage
	14	DMVA-Kulis	Reposition T-33 static aircraft	1.8	Too close to road - possible damage. (7.0)	Kulis\Anchorage
	15	DMVA-Kulis	Install pavement munitions storage area yard	11.3	Prevent gravel from being carried on to parking apron. (40.0)	Kulis\Anchorage
	16	DMVA-Kulis	Pave west perimeter road to munitions area	13.8	Prevent gravel from being carried on to parking apron. (55.0)	Kulis\Anchorage
	17	DMVA-Kulis	Upgrade communication vault system basewide	12.5	Complete tie in for communication to all facilities with fiber. (50.0)	Kulis\Anchorage
	18	DMVA-Kulis	Repair/replace organizational signs Basewide	7.5	Units/changing and information. (30.0)	Kulis\Anchorage
	19	DMVA-Kulis	Install mobility storage system (Ecamp) Bldg. 50	23.8	Not earthquake proof, safety write up.(95.0)	Kulis\Anchorage
	20	DMVA-Kulis	Install Fire suppression system Bldg. 4	11.3	Mobility equipment storage requires sprinklers. (45.0)	Kulis\Anchorage
	21	DMVA-Kulis	Install keypad entry Bldg. 72-42/23	5.0	Required for protection of equipment. (20.0)	Kulis\Anchorage
	22	DMVA-Kulis	Relocate/Upgrade static aircraft displays	10.0	New facilities cause displays to be moved. (40.0)	Kulis\Anchorage
	1	DMVA-Eielson	Install air conditioner duct-work, Bldg. 3180	2.9	Replace ductwork. (11.5)	Eielson\Fairban
	2	DMVA-Eielson	Repair asphalt as needed to prevent further deterioration	8.8	Misc. asphalt repairs. (35.0)	Eielson\Fairban
	3	DMVA-Eielson	Light required for personnel to measure fuel tank levels daily, Bldg. 1174	1.3	Install lighting at fuel Island. (5.0)	Eielson\Fairban
<b>Department Total</b>				<b>1,009.8</b>		
	1	Natural Resources	Goose Bay Facility	300.0	Demolish buildings, asbestos abatement, disposal of hazardous materials and site grading.	Wasilla
	2	Natural Resources	Structural Repairs for Entrance Area at Kachemak District Headquarters and Floor Supports at Kenai Area Headquarters.	148.5	1. Construct required second egress to basement to meet code (Kachemak District Headquarters). 2. Replace floor structural supports. Floor is rotten. (Kenai Area Headquarters)	Homer, Sterling
	3	Natural Resources	Multiple-location Mechanical Systems Upgrades and Replacements to Bring Systems up to Code.	326.3	1. Replace worn-out chimney - fire threat. (Butterfly Lake Ranger Station). 2. Replace wood heating system - existing is fire threat. (Chilkat State Park Ranger Station). 3. Replace unreliable oil stove - fumes and fire threat. (Harding Lake Ranger Station)	Nancy Lake, Haines, Salcha, Finger Lake, Homer, Sterling, Kodiak, Ninilchik, Juneau, Wasilla
	4	Natural Resources	Facility Code Compliance Study for all Forestry Buildings Statewide	100.0	On-site code compliance survey for all Forestry facilities. Examine compliance with plumbing, electrical, mechanical and fire/safety codes. Document deficiencies, recommend solutions, and provide estimate of funds necessary for corrections.	Tok, Eagle River, McGrath, Glennallen, Delta, Fairbanks, Kenai, Palmer, Homer, Tanacross

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description	Location
				Total cost is in parentheses if other funds will be included.	
5	Natural Resources	Abandoned DOT Maintenance Station	330.0	Demolish buildings, asbestos abatement, disposal of hazardous materials and site grading.	Glennallen
6	Natural Resources	Multiple-Location Electrical System Upgrades and Replacements to Meet Code	70.7	Upgrade and/or replace electrical systems that do not meet code. (Kodiak Maintenance Shop, Northern Area Headquarters, Kachemak District Headquarters, Kenai Area Headquarters, Mat-Su Area Headquarters).	Kodiak, Fairbanks, Homer, Sterling, Finger Lake
7	Natural Resources	Asbestos Abatement at Copper River Forestry building	20.0	Abate all identifiable remaining asbestos in Copper River Forestry (plumbing, ceiling and floors, and sheetrock joints).	Glennallen
8	Natural Resources	Copper River Safety Upgrades	30.0	Install ground fault circuit interrupters, correct electrical load deficiencies, increase electrical access, eliminate exhaust leaks in boiler chimneys.	Glennallen
9	Natural Resources	Plant Material Center Electrical System Upgrade and Backup Power Supply	92.0	The electrical system is old and some portlens are out of code.	Palmer
10	Natural Resources	Four Initial Attack Ready Room Upgrades for Mechanical, Structural and Electrical.	160.0	Mechanical, structural, and electrical upgrades to four Forestry Ready Rooms used for Initial Attack Forest Technicians, their firefighting clothing and gear, and storage of firefighter equipment.	Kenai, Tok, Copper River, Delta
11	Natural Resources	Plant Material Center Safety Upgrade in Seed House	19.0	Various mechanical and electrical items need to be brought up to OSHA standards.	Palmer
12	Natural Resources	Delta Forestry Roof Replacement	10.0	Replace Delta Forestry roof that is leaking, damming, losing heat, and has shingles breaking.	Delta
13	Natural Resources	Plant Material Center Roof Repairs on Main Office	51.0	Roof has extensive leaks and structural damage requiring replacement of entire roof to eliminate unsafe condition.	Palmer
14	Natural Resources	Plant Material Center Furnace and Boiler Replacement	25.0	With addition of growth chambers and germinators, large quantities of needed heat/cooling cannot be accomplished by existing furnace/ducting.	Palmer
15	Natural Resources	Replace Delta Forestry Windows	45.0	Replace original windows installed in 1959.	Delta
16	Natural Resources	Relocate Communications and Demolish Old Fire Facility	40.0	Relocate communications wiring, serving Fairbanks Parks and Forestry, from vacated building. Demolish, including disposal of hazardous building materials.	Fairbanks
17	Natural Resources	Extend Eagle River Shop Roof to Prevent Electrical Conduit Damage	5.0	Eaves need extension at the Forestry Eagle River Shop to prevent ice dams from breaking electrical conduits.	Eagle River
18	Natural Resources	Insulate Delta Forestry Warehouse	5.0	Reinsulation of Delta Forestry Warehouse. 10-15 year-old spray insulation is damaged with cracks that leak water, freeze, and rethaw to increase damage.	Delta
19	Natural Resources	Replace Copper Water Pipes at Kenai Forestry	15.0	Replace copper pipes originally installed in the Kenai Forestry office. Copper and lead in water exceed limits for drinking water.	Kenai
20	Natural Resources	Separate and Exhaust Vehicle Fumes in Kenai Forestry	7.0	Kenai Shop area lacks adequate separation from other work areas, and lacks exhaust mechanism for vehicle fumes of equipment under repair.	Kenai
21	Natural Resources	Drinking Water Filtering at Kenai Forestry	4.0	Install a water filtering system in Kenai Forestry office. Eliminate present use of bottled water for drinking due to copper and lead levels.	Kenai
22	Natural Resources	Forestry Waste Fuel Storage at Eagle River	4.0	Enclose waste fuel collected during maintenance and repair of firefighting equipment.	Eagle River
23	Natural Resources	Forestry Seedling Building Windows and Electricity at Kenai Forestry	10.0	Electrical access and window installation in Kenai Forestry seedling storage structure.	Kenai
24	Natural Resources	Overhead Door Replacement at Eagle River	3.0	Replace malfunctioning door of Forestry's refurb building.	Eagle River
25	Natural Resources	Kenai Forestry Building Insulation and Garage Door Replacement	8.0	Improve poorly insulated building with additional insulation, garage door replacement, and closing off unused garage door.	Kenai
26	Natural Resources	Upgrade Electrical Service Entrance to DNR Fairbanks Compound	110.0	Upgrade electrical switches, panels, and emergency power at utility's entrance into DNR facility.	Fairbanks
27	Natural Resources	Ekuak School Assessment	18.0	Remove underground storage tank, sample soils for contamination, and assess the building for asbestos and other hazardous materials	Ekuak
28	Natural Resources	Aniak Lake Building Removal	10.0	Removal of building and disposal of materials	Aniak Lake

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	29	Natural Resources	State Parks Priority 1 deferred maintenance projects	2,000.0	Projects required for emergency repairs, public safety, and code compliance. These funds will be used as match funds to obtain an additional \$2 million in federal funds. (4000.0)	Statewide
<b>Department Total</b>				<b>3,986.5</b>		
	1	Public Safety	Soldotna Public Safety Building Roof Repair	220.0	Roof is 20 years old and has been damaged by lack of maintenance and heavy snowfalls.	Soldotna
	2	Public Safety	Fairbanks Public Safety Building Roof Replacement	1,019.0	Roof had deteriorated beyond the point of repair and requires replacement to avoid water leaks.	Soldotna
	3	Public Safety	Statewide Deferred Maintenance	369.2	Priority deferred maintenance items at Public Safety facilities statewide.	Statewide
	4	Public Safety	Fairbanks Public Safety Building - HVAC System	100.0	Survey, modify and repair the HVAC system throughout the Fairbanks facility.	Fairbanks
	5	Public Safety	Soldotna Public Safety Building - Gas Line Relocation	6.0	Relocate gas line around garage to meet code.	Soldotna
	6	Public Safety	King Salmon Facility Repairs	44.0	Repair foundation cracks, repair entranceway roof, modify interior to accommodate a secure evidence room, repair water & sewer problems, paint and plaster walls.	King Salmon
	7	Public Safety	Coldfoot Housing Unit #460 Fuel Tank	5.5	Replacement with double walled heating fuel tank.	Coldfoot
	8	Public Safety	Coldfoot Hangar Fuel Tank	5.5	Replacement with double walled heating fuel tank.	Coldfoot
	9	Public Safety	Dillingham Housing Unit #405 and #413 Fuel Tanks	11.0	Replacement with double walled heating fuel tank.	Dillingham
	10	Public Safety	Nenana Housing Unit #452 Fuel Tank	5.0	Replacement with double walled heating fuel tank.	Nenana
	11	Public Safety	Bethel Hangar Repairs and Renovations	225.0	Roof repairs, repair damaged concrete floor, provide arctic entrance area, weatherproofing, ceiling and wall insulation, elevated water storage.	Bethel
	12	Public Safety	Cordova Warehouse Roof Replacement	15.0	Roof replacement for the Cordova warehouse.	Cordova
	13	Public Safety	Fairbanks Public Safety Building - Repair Facility Exterior	20.0	Power wash and repair exterior metal surface of the facility.	Fairbanks
	14	Public Safety	Tudor Road Complex - Painting and Lighting	27.5	Lighting modifications and painting to the exterior of the facility.	Anchorage
	15	Public Safety	Fairbanks Public Safety Building - Evidence Annex Structure	30.0	Weatherize and install concrete floor in evidence annex structure.	Fairbanks
	16	Public Safety	Rural Trooper Housing	20.0	Maintenance of Rural Trooper Housing between occupants such as boiler maintenance, plumbing repairs and painting.	Statewide
	17	Public Safety	Soldotna Public Safety Building - Renovations & Repairs	19.6	Renovate evidence and squad room to better utilize space, reconstruct / repair telephone and computer room.	Soldotna
	18	Public Safety	Yakutat Public Safety Office Repairs	5.0	Repair entrance concrete base, replace interior floor tiles, and paint facility.	Yakutat
<b>Department Total</b>				<b>2,147.3</b>		
	1	Transportation and Public Facilities (DOT/PF) -SE	Court & Office Building Roof Replacement	120.0	The 25 year-old building roof is deteriorated and has active leaks. This will augment previous CIP funding for the full State share of this joint State/City & Borough of Sitka project.	Sitka
	2	DOT/PF-CE	Materials Lab Relocate/Upgrade Transformer	145.0	Transformer is located in driveway and has been hit previously.	Anchorage
	3	DOT/PF-NR	Peger Primary Power Phase II	443.0	Repair, replace and expand the electrical distribution system at the Fairbanks Peger Rd Complex	Fairbanks
	4	DOT/PF-SE	DOT&PF Southeast Regional Complex Roof Replacement	520.0	The roof membrane/insulation system is near failure and should be replaced to prevent future damage to building interior and contents.	Juneau
	5	DOT/PF-NR	Cover State Bldg. Exterior Wall Surfaces & Install New Windows	600.0	Apply covering to exterior wall surfaces, minus the doors and windows, and insulation of windows with a minimum of double thermal.	Nome
	6	DOT/PF-SE	DOT&PF Maintenance Station Roof Replacement	80.0	Roof on the facility is 30+ years old and is failing; project will replace BUR and metal roofing systems.	Ketchikan
	7	DOT/PF-CE	Oil and Gas Building Renovation/Rehabilitation	3,000.0	Renovate/rehabilitate state-owned building to allow Measurement Standards/Commercial Vehicle enforcement to move from leased property. Structural integrity of the building is sound but deferred maintenance funding is needed to preserve the building and prepare for long-term occupancy. (Other funds are federal FHWA - ITS funding) (4,000.0)	Anchorage
	8	DOT/PF-CE	Regional Office Bldg. Repairs to Roof, Siding & Windows	397.6	Existing windows and exterior siding leak causing damage to interior ceilings and walls.	Kodiak
	9	DOT/PF-SE	DOT&PF Maintenance Station Door Replacement	45.0	To replace four deteriorated and partially inoperative sliding metal doors on unheated utility building and two worn-out vehicle doors on main building.	Ketchikan
	10	DOT/PF-NR	Valdez Combined Facility Roof Repair	250.0	The Valdez Combined Facility is badly in need of complete replacement of membrane roofing and insulation.	Valdez Station

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond Amount		
Priority	Department	Project Title	(\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
11	DOT/PF-SE	Court & Office Building HVAC System Survey	40.0	The building's mechanical system provides poor ventilation and inadequate temperature control in many areas of the building. This will fund the State share of an engineering survey to determine project scope and cost of HVAC system upgrades and repairs.	Sitka
12	DOT/PF-NR	HVAC System/Supply Building	300.0	Convert building from electric to oil-fired hydronic heat. Air handling system for office portion of structure.	Fairbanks
13	DOT/PF-CE	Boney Court Bldg. Fire/Life Safety/Electrical Code Upgrades	452.5	Existing building has several mechanical/electrical/fire safety code violations, all of which were noted in previous engineers report.	Anchorage
14	DOT/PF-CE	Aviation Drive Bldg. Fire Alarm and Sprinklers	157.0	Existing systems do not meet fire codes.	Anchorage
15	DOT/PF-CE	Courthouse Life Safety/Energy/Fire/Mechanical Code Upgrades	337.0	Existing building does not meet fire/OSHA codes.	Kodiak
16	DOT/PF-NR	Re-side Shop Exterior	75.0	Re-side Shop Exterior.	Healy
17	DOT/PF-CE	Central Region Install Oil/Water separators	210.0	Shops do not meet existing DEC and EPA regulations for floor drains.	Region Wide
18	DOT/PF-NR	HVAC System Complete Conversion/Maintenance Building	240.0	Install Air handling system for office portion of structure. Convert building from electric to oil-fired hydronic heat.	Fairbanks
19	DOT/PF-CE	Administrative Buildings Central Region Duct Systems and Air Flow Rebalance	262.4	Clean ducts and rebalance fans in several office buildings throughout Central Region. This has never been done since the buildings were built and, in some instances, complaints of unhealthy air have been received.	Region Wide
20	DOT/PF-NR	New Roof for SEF Shop/Offices	230.0	Remove the old deteriorated roof and install a new energy efficient roof.	Fairbanks
21	DOT/PF-CE	Griffin Building Major Repairs	500.0	Basement foundation walls leak, wood windows are rotten, roof leaks, needs replacement.	Kodiak
22	DOT/PF-CE	Boney Court Bldg. Seal Windows	50.0	Windows and exterior walls leak, causing damage to interior walls and ceiling tiles.	Anchorage
23	DOT/PF-NR	Fur Out Exterior Walls & Re-side with Metal	85.0	Fur out exterior walls & re-side with metal.	Central
24	DOT/PF-NR	Hydronic Heat Conversion and Air Filtering System/Admin Bldg.	325.0	Convert building preheat coils from electric to oil-fired hydronic.	Fairbanks
25	DOT/PF-CE	Boney Court Bldg. Structural Safety Issues	30.0	Several structural problems noted in previous engineers report.	Anchorage
26	DOT/PF-CE	Storage Building Install Drain System & Seal Concrete Roof	150.0	Roof is leaking; water is running down interior walls close to electrical panel.	Dutch Harbor
27	DOT/PF-NR	Install Oil Water Separator	58.0	Install oil/water separator and oil collection system.	Montana Creek
28	DOT/PF-CE	Annex Bldg Upgrade Electrical	100.0	Existing system overloaded.	Anchorage
29	DOT/PF-NR	Combined Facility Roof Replacement	130.0	Design and construction of a new roof for the facility.	Fl. Yukon
30	DOT/PF-CE	Building Maintenance Upgraded To Meet Fire Code	24.0	Existing building does not meet fire code.	Anchorage
31	DOT/PF-NR	Jim River Overhead Doors	60.0	Install nine energy efficient overhead doors in the shop	Jim River
32	DOT/PF-CE	Communications Bldg. Repair Hydrant	12.0	Water line broke below hydrant.	Anchorage
33	DOT/PF-CE	Communications Update Fire & Mechanical Codes	150.0	Existing building does not meet fire code.	Anchorage
34	DOT/PF-NR	Shop Overhead Doors	100.0	Replace damaged and worn overhead doors.	Galena
35	DOT/PF-CE	Parking Garage (at Boney Court) Replace Worn Parking Gates and Rusted Stair Supports	7.5	Structural steel stairs are rusted beyond repair; gate mechanisms worn out.	Anchorage
36	DOT/PF-NR	Rebuild Battery Room to Code/SEF Bldg.	15.0	Rebuild battery room to code - SEF Bldg.	Fairbanks
37	DOT/PF-CE	Maintenance Shops Encapsulate or Remove Asbestos	110.0	Several shops have water pipes with asbestos which needs to be encapsulated or removed.	Region Wide
38	DOT/PF-NR	Plug-in Hotline/SEF Building	85.0	This project will include a survey of electrical needs and a redesign of the electrical system. Electrical 120/208 volt capac.	Fairbanks
39	DOT/PF-CE	Maintenance Shop Overhead Cranes Replacement	200.0	Some cranes need to be replaced due to age. Some shops need cranes added. Operators are using loaders in place of needed cranes. - Kodiak, Aniak, Girdwood, Bethel	Region Wide
40	DOT/PF-NR	Replace Interior Lights	8.0	Replace interior lights.	Galena
41	DOT/PF-CE	Structural Repairs	330.0	Buildings have structural damage due to corrosion and equipment operator's errors.	Region Wide
42	DOT/PF-NR	Replace Furnace	15.0	This project will replace the furnace in the Nelchina Shop.	Nelchina
43	DOT/PF-CE	Old Courthouse Roof	204.0	Roof leaks and insulation is saturated, has caused interior damage. (Original roof-1974)	Kenai
44	DOT/PF-NR	Replace Deteriorated Shop Roof	50.0	This project will fund the replacement of the roof on the Nelchina Shop.	Nelchina
45	DOT/PF-CE	Public Safety Bldg. Update Fire & Mechanical Codes	285.0	Existing building does not meet fire codes.	Anchorage
46	DOT/PF-NR	Shop Doors	35.0	Replace damaged and worn shop doors with new energy efficient doors.	Healy
47	DOT/PF-CE	SEF Building Replace Unit Heaters	12.0	Some unit heaters have cracked heat exchangers and are not being used.	Anchorage
48	DOT/PF-NR	Overhead door for Airport Shop	20.0	Replace damaged and worn overhead door for Airport Shop with larger energy efficient door (to allow bigger equipment in).	Nome
49	DOT/PF-CE	Public Safety Bldg. Replace/Add VAV Boxes	12.8	Several VAV boxes need to be replaced or added due to changes in the building.	Anchorage

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
50	DOT/PF-NR	Overhead Doors	24.0	Replace four overhead doors at Paxson DOT maintenance station.	Paxson
51	DOT/PF-CE	Kalsin Bay Roof Replacement	37.5	Existing metal roof needs replacement due to leaks and decaying roof material.	Kalsin Bay
52	DOT/PF-NR	Relevel Airport Bldg.	8.0	Relevel structure.	St Marys
53	DOT/PF-CE	Aviation Dr. Bldg. Upgrade Electrical	50.0	Existing system overloaded.	Anchorage
54	DOT/PF-NR	Thompson Pass Shop Floor and Heating System Repairs	85.0	This project will replace the floor and heating system at the Thompson Pass shop.	Thompson Pass
55	DOT/PF-CE	Cooper Bldg. Repair Roof	42.0	Roof is leaking causing damage to structural members and creating health and safety issues.	Homer
58	DOT/PF-NR	Upgrade Admin Building HVAC Controls to Direct Digital Control (DDC)	75.0	Convert all controls in the building from pneumatic to direct digital controls.	Fairbanks
57	DOT/PF-SE	Court & Office Building HVAC System Repairs	180.0	Convert entire building's pneumatic controls to direct digital: clean ducts and rebalance system	Ketchikan
58	DOT/PF-CE	Old Shop Repair Roof	68.0	Roof has been foamed and is leaking and is becoming wet and heavy; may cause future load problems.	Bethel
59	DOT/PF-CE	Aviation Dr. Building Entry Way Grate Replacement	5.2	Entry grating is coming apart and causing a safety hazard.	Anchorage
60	DOT/PF-CE	Aviation Dr. Building Interior Stairs	19.5	Existing steps do not meet building code and are a safety hazard.	Anchorage
61	DOT/PF-SE	Court & Office Building Interior Finish Repairs	140.0	Repair worn and damaged interior wall and ceiling finishes; replace worn carpet in corridors (is a safety hazard).	Ketchikan
62	DOT/PF-NR	Equipment Shop Roof Repairs	75.0	This project will replace the insulation and metal roofing on the Cordova Shop.	Cordova
63	DOT/PF-CE	Boney Court Bldg. Replace Deteriorated Vinyl and Carpet; 75% of Bldg.	375.0	Frayed and torn carpet and vinyl needs to be replaced due to age; is a safety hazard.	Anchorage
64	DOT/PF-NR	Replace Boiler / Hot Water System	8.0	Replace water storage tank with new pressurized tank, replace well pump, and install glycol boiler feed system.	Delta
65	DOT/PF-SE	Court & Office Building Fuel Oil Piping Repairs	10.0	Replace defective/leaking fuel oil piping from tank to boilers	Ketchikan
66	DOT/PF-NR	Combined Facility Heating/Cooling system upgrade	100.0	Upgrade for heating/cooling system.	Tok
67	DOT/PF-NR	Overhead Doors	24.0	Replace four damaged and worn overhead doors at Nelchina DOT maintenance station.	Nelchina
68	DOT/PF-CE	Materials Lab Replace Contaminated Carpet, Ceiling Tile and Insulation	20.4	Due to previously leaking roof, these items were damaged and are now moldy.	Anchorage
69	DOT/PF-NR	Shop Overhead doors	25.0	Replace damaged and worn overhead doors with new Arctic insulated doors with electric operators.	Northway
70	DOT/PF-CE	Parking Garage (at Boney Court) Replace Roof Deck Material	45.0	Decking is leaking, causing severe structural damage.	Anchorage
71	DOT/PF-NR	Install new thermopane PVC windows/ SEF	60.0	Install new thermopane PVC windows.	Nome
72	DOT/PF-SE	Court & Office Building Fire Alarm Panel Replacement	30.0	Replace obsolescent and difficult-to-maintain fire alarm panel	Ketchikan
73	DOT/PF-CE	Tudor Rd. Complex Replace & Upgrade Water Gate Valves	100.0	Existing valves do not operate properly and cannot shut off water.	Anchorage
74	DOT/PF-NR	Shop Exterior Painting	10.0	Shop exterior painting.	Eamestine
75	DOT/PF-NR	Nome-Install new entryway doors, hardware, closers, and weather stripping / State Building	20.0	Install new insulated, thermopane, entryway doors, hardware, closers, and weather stripping.	Nome
76	DOT/PF-CE	Overhead Doors Replacement	64.0	Several locations needs overhead doors replaced due to wind damage, operator error, and age.	Region Wide
77	DOT/PF-NR	Upgrade Exhaust System to Code	75.0	This project funds the upgrading of the exhaust system at Chitina.	Chitina
78	DOT/PF-SE	Maintenance Station Heating Fuel Tank Replacement	35.0	Replace underground heating oil tank with new double-wall tank and code piping. (Facility is now being served with a temporary above-ground tank.)	Ketchikan
79	DOT/PF-CE	Maintenance Shop Repair Floor Hoists	107.0	Several floor hoists have leaked underground, need to be replaced with above ground hoists. Chulitna, Anchorage, Bethel, Palmer	Region Wide
80	DOT/PF-NR	Replace Equip Shop Overhead Doors	35.0	Replace 30 yr. old bifold doors.	Valdez
81	DOT/PF-SE	Maintenance Station Vehicle Hoist Replacement	40.0	Replace existing worn out hydraulic vehicle hoist with above-ground type. This will also eliminate a potential oil pollution hazard	Ketchikan
82	DOT/PF-CE	Maintenance Shops Upgrade Welding Exhaust Systems	127.0	Current systems do not meet code. Anchorage, Palmer, Cascade, Chulitna, Aniak, Bethel, McGrath	Region Wide
83	DOT/PF-NR	Upgrade Vehicle Exhaust System	10.0	Upgrade vehicle exhaust.	Birch Lake
84	DOT/PF-CE	Maintenance Shops/Weigh Stations Water Filtration/Treatment	60.0	Several shops have bad water and do not meet requirements for potable water. Need treatment of new wells drilled. Willow, Silvertip, Glenn In, Glenn Out, Potter & Sterling Weigh Stations	Region Wide
85	DOT/PF-NR	Upgrade Vehicle Exhaust System	15.0	Upgrade vehicle exhaust.	Cantwell
86	DOT/PF-NR	Upgrade Shop Exhaust System	7.5	Upgrade shop exhaust.	Central
87	DOT/PF-CE	Old ARFF Building - Demolish	200.0	This building has been replaced; old one needs to be torn down, is a safety issue due debris blowing on runway.	Cold Bay

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond		
Priority	Department	Project Title	Amount (\$000)	Project Description	Location
				Total cost is in parentheses if other funds will be included.	
88	DOT/PF-NR	Upgrade Propane Fill Facility	18.0	Upgrade propane fill facility.	Chandalar
89	DOT/PF-CE	Warm Storage Repair Roof	24.0	Roof is metal and needs coating applied due to rust and minor damage.	Cold Bay
90	DOT/PF-NR	Shop Roof Repairs	60.0	This project will replace the insulation and metal roofing on the Valdez equipment shop.	Valdez
91	DOT/PF-CE	Maintenance Shop Repair Roof	22.0	Roof is blistered and checked badly; needs recoat.	Ninilchik
92	DOT/PF-NR	Replace Roof on Soils Lab Building	35.0	This project will fund the replacement of the roof at the Valdez soils lab building.	Valdez
93	DOT/PF-CE	Annex Replace Water Lines With Copper	75.0	Existing galvanized piping is deteriorating, causing leaks.	Anchorage
94	DOT/PF-NR	Upgrade Exhaust System to Existing Code	10.0	This project will fund the replacement of the exhaust system in the shop.	Nelchina
95	DOT/PF-CE	Aviation Dr. Bldg. Repair Sidewalks	25.0	Concrete is spalled in several areas; needs repair.	Anchorage
96	DOT/PF-NR	Upgrade Vehicle Exhaust	10.0	Upgrade vehicle exhaust	Manley
97	DOT/PF-CE	HQ Materials Lab Replace Water Lines With Copper	6.0	Existing galvanized piping is leaking, causing damage to walls and ceilings.	Anchorage
98	DOT/PF-NR	Upgrade Shop Exhaust	10.0	Upgrade shop exhaust.	Livengood
99	DOT/PF-CE	Parking Garage (at Boney Court) Upgrade Lighting	17.0	Poor lighting, fixtures have become corroded in high moisture areas.	Anchorage
100	DOT/PF-NR	Upgrade Shop Exhaust	8.0	Upgrade shop exhaust.	Healy
101	DOT/PF-CE	Public Safety Bldg. Remove & Replace Boiler	38.8	Boiler is beyond life expectancy span.	Anchorage
102	DOT/PF-NR	Oil Water Separator (new) at cathouse	50.0	Install oil/water separator and oil collection system.	Fairbanks
103	DOT/PF-NR	Shop Floor Drain and Oil Water Separator Upgrade	45.0	Upgrade floor drain.	Cantwell
104	DOT/PF-CE	Public Safety Bldg. Replace Water Lines With Copper	70.0	Existing galvanized piping is deteriorating, causing leaks.	Anchorage
105	DOT/PF-NR	Install Oil Separator and Install Septic Tank	41.0	Install oil/water separator and oil collection system.	Birch Lake
106	DOT/PF-CE	Maintenance Shop Repair Roof	30.0	Metal roof is leaking; needs to be replaced.	Aniak
107	DOT/PF-NR	Install Oil Separator & New Leach Field	45.0	Install oil/water separator and oil collection system.	Central
108	DOT/PF-CE	Maintenance Shop Repair Lighting	11.1	Light fixtures outdated, need replacing.	Bethel
109	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Cordova
110	DOT/PF-CE	Employee Housing Repair Siding	45.0	Existing aluminum siding is wind damaged.	Cold Bay
111	DOT/PF-NR	Oil/Water Separator System	35.0	Install oil/water separator and oil collection system.	Delta
112	DOT/PF-CE	Station Bldg. Repair Roof	31.0	Roof needs recoating, checked and blistered severely.	Girdwood
113	DOT/PF-NR	Oil/Water Separator System Install	35.0	Install oil/water separator and oil collection system.	Eagle
114	DOT/PF-CE	Maintenance Shops Install Above Ground Heat Fuel Tank	269.3	Due to age, tanks should be replaced with AST before potential leaks occur.	Region Wide
115	DOT/PF-NR	Overhead Doors in shop	80.0	Install nine energy efficient overhead doors in the shop	Sag River
116	DOT/PF-CE	Maintenance Shop Repair Septic Systems	150.0	Several locations require having septic tanks pumped too frequently. Girdwood, Bethel, Homer	Region Wide
117	DOT/PF-NR	Install Oil Water Separator	45.0	Install oil water separator and oil collection system.	Healy
118	DOT/PF-CE	Maintenance Shops Upgrade Ready Line	110.0	Due to updated code requirements and higher wattage heaters being added to equipment, ready lines need upgrading. Ninilchik, Homer, Kodiak, Seward, N. Kenai, Aniak, Bethel	Region Wide
119	DOT/PF-NR	Purchase Generator	40.0	Purchase a Cummins L-10 generator	Coldfoot
120	DOT/PF-CE	Maintenance Shop Repair Windows	24.0	Several locations have broken and rotten windows, need replaced. Bethel, Kalsin Bay, Kodiak, Seward, Dutch Harbor, Talkeetna	Region Wide
121	DOT/PF-NR	Install Oil Separator	44.0	Install oil water separator and oil collection system.	Manley
122	DOT/PF-CE	Maintenance Shops Replace Personnel Door	16.6	Several locations have rusting metal doors or delaminating wood doors, needs to be replaced.	Region Wide
123	DOT/PF-CE	Maintenance Shop Replace & Protect Windows	2.2	Snow falling from the roof is continuously damaging windows. Need to correct problem.	Silvertip
124	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Nelchina
125	DOT/PF-NR	oil/water separator system install	45.0	Install oil/water separator and oil collection system.	Northway
126	DOT/PF-NR	oil/water separator system install	35.0	Install oil/water separator and oil collection system.	O'Brien Crk
127	DOT/PF-NR	Rework Exhaust System to Code	75.0	This project will install a ventilation system in the shop to minimize pollution from diesel fumes.	Paxson
128	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Paxson
129	DOT/PF-NR	Upgrade Propane Fill Facility	12.0	Upgrade propane fill facility.	Juneau 7-Mile
130	DOT/PF-NR	Upgrade Exhaust System	10.0	This project will fund the upgrade of the Slana shop exhaust system.	Slana
131	DOT/PF-NR	Replace Heating Fuel Tank	30.0	This project will replace the heating fuel tank at the Slana shop.	Slana
132	DOT/PF-CE	SEF Building Install back-up Power Generator	87.1	Shop needs backup generator.	Anchorage
133	DOT/PF-NR	Replace Generator Fuel Tank	30.0	This project will fund replacement of generator fuel tank at Slana.	Slana

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	134	DOT/PF-CE	Shop - Demolish	100.0	Building replaced; this shop needs to be torn down due to safety and environmental concerns.	Moose Pass
	135	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Slana
	136	DOT/PF-NR	Install oil/water separator system	35.0	Install oil/water separator and oil collection system.	South Fork
	137	DOT/PF-NR	Install Oil/Water Separator System	35.0	Install oil/water separator system oil collection system.	Tok
	138	DOT/PF-NR	Replace Shop Heating Tank	10.0	Replace shop heating tank.	Tok
	139	DOT/PF-CE	Maintenance Shop Replace Compressor	25.0	Several shops needs new compressors, due to age. Seward, Willow, N. Kenai, Palmer, McGrath	Region Wide
	140	DOT/PF-NR	Install oil/water separator system	45.0	Install oil/water separator and oil collection system.	Trims
	141	DOT/PF-CE	Aviation Dr. Bldg. Paint Exterior	25.0	Paint is peeling and blistering on building, needs paint.	Anchorage
	142	DOT/PF-NR	Combined Facility Heating Oil Tank Replacement	50.0	Heating oil tank replacement.	Valdez
	143	DOT/PF-CE	Aviation Dr. Replace Tile Wainscots/Restroom	26.4	Bathroom wall vinyl needs replaced due to tearing - tiles are loose.	Anchorage
	144	DOT/PF-NR	Install Oil Water Separator/ Equip Shop	35.0	Install oil water separator and oil collection system.	Valdez
	145	DOT/PF-CE	Communications Bldg. Replace Air Conditioning Unit	100.0	Existing unit is beyond repair (original in 1975).	Anchorage
	146	DOT/PF-NR	Exhaust System Replacement to Code	75.0	This project will fund the replacement of the exhaust system in the shop.	Valdez
	147	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Valdez
	148	DOT/PF-NR	Exhaust System Replacement to Code	75.0	This project will fund the replacement of the exhaust system in the shop.	Valdez
	149	DOT/PF-CE	Combined Facility Paint Exterior	22.2	Exterior is peeling, needs paint.	Bethel
	150	DOT/PF-NR	Replace Septic System to Code	20.0	This project will replace the septic system at Tazlina.	Tazlina
	151	DOT/PF-CE	Tudor Rd. Complex Replace Plywood Fascia & Paint	50.0	Replace rotting plywood and paint remaining.	Anchorage
	152	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Tazlina
	153	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Thompson Pass
	154	DOT/PF-NR	Exhaust System Replacement to Code	75.0	This project will fund the replacement of the exhaust at the Thompson Pass shop.	Thompson Pass
	155	DOT/PF-NR	Upgrade Electrical Service	75.0	Upgrade electrical service wiring.	Cantwell
	156	DOT/PF-SE	Sheldon Jackson Museum HVAC System Survey	20.0	Determine repairs required to improve heating and ventilation.	Sitka
	157	DOT/PF-SE	Sheldon Jackson Museum Repairs	62.0	Priority deferred maintenance and repairs.	Sitka
<b>Department Total</b>				<b>16,564.2</b>		
		University	University Deferred Maintenance	5,500.0	Highest priority safety, renewal and replacement, code compliance, deferred maintenance, and renovations. (5730.0)	Primarily Fairbanks
		University	UAA Renovations	1,897.3	Appropriation is required to replace renovation funds used for major emergency repairs to campus core underground piping in 2001.	Anchorage
		University	University ADA Compliance	2,500.0	Improve access to University facilities for disabled Alaskans.	Primarily Fairbanks
		Governor's Office	State Agency ADA Compliance (Statewide projects)	2,500.0	Improve access to state facilities for disabled Alaskans.	Statewide
	1	Alaska Court System	Court System Deferred Maintenance	2,000.0	Priority deferred maintenance and renovation projects.	Statewide
	2	Alaska Court System	Statewide Renovation Costs	1,335.0	Renovation projects to increase staff efficiency, improve access for the public, and increase efficiency of conducting court business.	Statewide
	3	Alaska Court System	Statewide Court Building Code and Energy Upgrades	400.0	Correct building code deficiencies and reduce utility bills for court facilities.	Statewide
<b>Facility Replacement or Expansion Projects</b>						
		Administration	Veterans' Housing	4,000.0	Construct housing for Alaska veterans requiring an assisted living situation. (Detailed project information is available on the OMB website under the bond section). (10,000.0)	Other



# ALASKA STATE HOUSE OF REPRESENTATIVES

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Room 102

## REPRESENTATIVE JOHN COGHILL

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### Memorandum

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Date: April 10, 2002  
To: Terry Barister, Legal Counsel  
From: Rynnieva Moss, Legislative Aide *RVMoss*  
Re: CS for HB 364

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I am requesting a CS for HB 364 with the changes outlined on the attached letter of March 21, 2002.

Thank you for your assistance.

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
1	Administration	State Office Bldg. - Roof replacement	960.0	Replace deteriorated roof (main, stairwell and penthouse roofs) & remove obsolete window track. The roof has exceeded its service life and continued and increased leaks will be expected.	Juneau
2	Administration	State Office Bldg. - Replace skylight gaskets and flashing	42.0	Replace gaskets and flashing located at skylights to eliminate leaking. Project will eliminate water leaks which dramatically reduce the structure's service life and cause damage to building contents.	Juneau
3	Administration	State Office Bldg. - Elevator renovation	1,788.2	Repair and modernize existing elevators. Chronic breakdowns and service level problems have plagued these elevators for years. The repairs will not only increase the facility's efficiency and staff productivity but allow the facility to conform to federal ADA requirements.	Juneau
4	Administration	State Office Bldg. - Water line replacement	900.0	Replace galvanized steel domestic water piping with copper. Piping is corroded to the point that if nothing is done a catastrophic failure will occur in the near future which will affect all fixtures, equipment and building contents.	Juneau
5	Administration	Dimond Courthouse - Replace waterlines	250.0	Replace leaking waterlines. Leaks damage structure as well as the building's contents - complete failure will occur if lines are not replaced.	Juneau
6	Administration	Dimond Courthouse - Roof replacement	300.0	Roof has leaks and has exceeded its service life. Continued repairs are not cost effective. Replacing the roof and removing window track will eliminate leaks that are dramatically reducing the building structures service life and causing collateral damage.	Juneau
7	Administration	Douglas Island Bldg. - Curtain wall replace	1,356.0	Replace curtain wall/window system which is constantly leaking causing damage to structure as well as its contents. Additionally, due to the current condition of the structure and heat loads the building systems are unable to maintain adequate working temperatures.	Juneau
8	Administration	Dimond Courthouse - Window seals	30.0	Repair broken window seals throughout the building, which are leaking causing damage to structure and building's contents.	Juneau
9	Administration	Dimond Courthouse - Curtain wall repair	280.0	Curtain wall is leaking heavily and causing damage to structure as well as its contents. If repair is not completed the structure's service life will be shortened and the building's contents will be damaged.	Juneau
10	Administration	Fbks. Regional Office Bldg. - Replace roof	902.4	Replace roof (if required upon completion of testing). Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.	Fairbanks
11	Administration	Douglas Island Bldg. - Roof replacement	300.0	Roof has exceeded its service life and leaks are constant. Replacing the roof will eliminate leaks that are dramatically reducing the building structures service life and causing collateral damage to the building contents.	Juneau
12	Administration	State Office Bldg. - Asbestos abatement	2,019.4	Abate asbestos materials in critical areas of the building. Repairs make the facility more functional as remodels can be completed for a fraction of the cost and the health of workers and visitors will be protected and potential health liability reduced.	Juneau
13	Administration	Archives/Records Bldg. - Roof replacement	130.0	Replace deteriorated roof. Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.	Juneau
14	Administration	Public Safety Bldg. - Replace roof	240.0	Replace roof which is leaking in many areas. Replacing the roof will eliminate leaks that are dramatically reducing the structure's service life and causing collateral damage to the building contents.	Juneau
15	Administration	State Office Bldg. - Replace skybridge roof	90.0	Replacement of roof is necessary to reduce leaks and high maintenance costs and reduce the damage being caused to the structure.	Juneau
16	Administration	State Office Bldg. - Replace temporary fuel oil storage tank	25.0	Temporary tank is corroded and is causing heating failures and is a potential fuel spill liability.	Juneau
17	Administration	Governor's House - Replace emergency generator	35.0	Generator has exceeded its service life and is not reliable and does not adequately protect the building from freezing up during power outages. Current system does not provide the minimum amount of power to sustain primary building systems.	Juneau
18	Administration	State Office Bldg. - Replace window gaskets	6.0	Replace gasket at windows at Sr. Services - 7th floor. If not repaired water leakage will continue to damage the structure and its contents.	Juneau
19	Administration	State Office Bldg. Parking Garage - Add fireproofing	68.4	Replace missing fireproofing at steel structure to protect the garage and adjoining SOB structure from fire. Current conditions create a liability to the structure and occupants in the event of a fire.	Juneau
20	Administration	AK State Museum - Replace canopy roof	100.0	Replace deteriorated canopy roof. Entrance canopies are failing causing potential risks to visitors and building occupants.	Juneau
21	Administration	Community Bldg. - Replace boiler	240.0	Replace hot water tube boiler. Without replacement facility will continue to risk boiler failure creating untenable conditions and freezing of waterlines.	Juneau
22	Administration	Dimond Courthouse - Repair water gutters	8.0	Repair water gutters - west side of building. Unless the repair is completed water will continue to cause damage to the structure and the building's contents.	Juneau
23	Administration	State Office Bldg. - Fire sprinkler system	1,080.0	Install fire sprinkler system for floors 9, 10, 11 per UBC. Until repair is completed facility will not comply with local and national building codes and regulations. Failure to install the systems increases the risk of fatalities in the event of a fire	Juneau
24	Administration	Dimond Courthouse - Replace boiler	150.0	Replace old unreliable and constantly malfunctioning boiler. Without boiler replacement the facility will continue to risk boiler failure and freeze up of the building's water lines and make the facility untenable.	Juneau

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.	Department	Project Title	Bond Amount (\$000)	Project Description	Location
				Total cost is in parentheses if other funds will be included.	
25	Administration	State Office Bldg. - Upgrade seismic protection at elevators	127.2	Add seismic retrofits to four elevators. During a seismic event catastrophic elevator failure could occur without this safety upgrade and result in possible loss of life.	Juneau
26	Administration	State Office Bldg. - HVAC	264.0	Test and rebalance the entire HVAC system. Unless procedure is completed facility will continue to operate inefficiently and cause discomfort for the facilities occupants.	Juneau
27	Administration	All Juneau Facilities - Preventative Maintenance Program	30.0	Provide computerized reactive work order and preventative maintenance plan. System will improve maintenance response times, work tracking and reporting. A program of this type for the quantity of facilities is common practice nationwide.	Juneau
28	Administration	Archives/Records Bldg. - Structure & Foundation	800.0	Building was constructed partially on bedrock and partially on pilings which has caused building to separate. Repair will include engineering and structural repair needed to close structure to the elements and provide effective work environment.	Juneau
29	Administration	Atwood Bldg. - Heating coils - interior air quality	153.6	Install new heating coils for ventilation system to improve interior air quality and building operating efficiency.	Anchorage
30	Administration	Capitol Bldg. 3rd Floor - A/C, heat repair/replace	15.0	Repair/replace air-conditioning and heating system (Gov. office, conference room, etc). Repair will improve interior air quality and operating efficiency.	Juneau
31	Administration	Capitol Bldg. 3rd Floor - Standby power	55.0	Rewire standby power for the Governor's Office. Repair will ensure power for the Governor and staff during power outages or emergency situations.	Juneau
32	Administration	Fbks. Regional Office Bldg. - Window repairs	18.0	Recaulk exterior windows to seal structure's interior from the elements. Repair will reduce damage caused to the structure by the weather and make the facility more efficient and comfortable.	Fairbanks
33	Administration	State Office Bldg. - Replace fire alarm system	1,800.0	Current life/safety system does not comply with current codes and regulations. Failure to replace the system could result in failure to adequately provide and inform building occupants and visitors of building emergencies.	Juneau
34	Administration	AK State Museum - Replace missing light pole	2.0	Replace parking lot light pole. This repair will reduce the odds of accidents and improve safety during hours of darkness.	Juneau
35	Administration	AK Office Bldg. - Repair/replace restroom plumbing	43.0	Repair/replace restroom plumbing lines to eliminate failures and reduce the risk of catastrophic failure which will damage the structure and the its contents.	Juneau
36	Administration	All Juneau Facilities - Electrical infrared testing	84.0	Perform Infrared test on all electrical systems and perform necessary repairs. Repair will increase operating efficiency and reduce the number of electrical failures, code violations and reduce potential liabilities.	Juneau
37	Administration	Dimond Court House-Repair Fintube	5.0	Fintubes require repair to provide adequate heating to the occupants.	Juneau
38	Administration	Capitol Bldg. 3rd Floor - Replace controls	4.0	Replace all radiator controls with more efficient and effective units.	Juneau
39	Administration	Capitol Bldg. 3rd Floor - Replace sewer lines	5.0	Replace all sewer lines at the restroom to reduce failure and improve functionality.	Juneau
40	Administration	Public Safety Bldg. - Fuel tank infiltration	3.6	Repair grade of asphalt to prevent water seeping into fuel tank. Repair will reduce heat outages when boiler is overwhelmed by non-combustible material.	Juneau
41	Administration	Public Safety Bldg. - Replace roof exhaust	3.6	Replace (1) ventilator at roof for exhaust fan. Repair will improve indoor air quality standards and improve the facilities operating efficiency.	Juneau
42	Administration	Dimond Courthouse - Install zone valves	8.0	Install digital zone valves which will improve heating, ventilating and air conditioning performance and daily maintenance of system.	Juneau
43	Administration	Douglas Island Bldg. - Electrical study	24.0	Perform engineering study of electrical system. Analysis is needed for effective building management decisions.	Juneau
44	Administration	Douglas Island Bldg. - Install second boiler	60.0	Installation of a second boiler will provide back up heat in the event of failure to the existing unit. Unless backup heat is provided there is a significant risk the building will freeze up during often extreme weather conditions.	Juneau
45	Administration	Public Safety Bldg. - Inventory and rework electrical	30.0	Investigate and rewire, increase quantity of panels, breakers, etc as needed. Repair will increase operating efficiency, reduce the number of electrical failures and reduce the potential for electrical fires.	Juneau
46	Administration	State Office Bldg. - Rebalance fans	4.8	Rebalance supply fans 1-6. This procedure is overdue and standard operation for a facility of this size. Rebalancing the fans will improve ventilation.	Juneau
47	Administration	AK State Museum - Abate asbestos	250.0	Abate asbestos in critical areas to reduce health risk to facility maintenance staff and allow occupants to better utilize the building.	Juneau
48	Administration	Capitol Bldg. 3rd Floor - Electrical investigation	10.0	Investigate electrical problem with corridor lights. Analysis is needed for effective management decisions and to reduce the potential of electrical fires.	Juneau
49	Administration	Gold street Parking - Resurface deck	100.0	Resurface top parking deck and repair / replace lighting. Repairs will extend the structure's service life, reduce the chance of accidents, and improve structure's safety during hours of darkness.	Juneau
50	Administration	AK State Museum - Repair wall leak	10.0	Investigate and repair leak at south wall. Repair will seal structure from the exterior elements, prolonging service life, increasing building comfort and eliminating damage to building contents.	Juneau
51	Administration	Dimond Courthouse - Replace doors	15.0	Replace deteriorated mechanical room doors located in the penthouse. Replacement will provide doors that work and meet fire code requirements.	Juneau
52	Administration	Douglas Island Bldg. - Replace valves	16.8	Replace 4 zone mixing valves. Replacement will improve facility's operating efficiency and reduce the odds of catastrophic failure.	Juneau
53	Administration	Fbks. Regional Office Bldg. - Entrance grating	97.2	Replace entrance anti-slip grating and matting. Replacement will reduce the chances that the public or workers are injured by slips and falls.	Fairbanks

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	54	Administration	Governor's House - Replace stucco/paint	305.0	Replace deteriorated stucco and paint. Repair will extend the service life of the structure.	Juneau
	55	Administration	Governor's House - Replace windows	80.0	Replace exterior windows. Existing windows are inefficient and difficult to repair - repair will improve structure's operating efficiency.	Juneau
	56	Administration	State Office Bldg. - Recaulk exterior panel joints	225.0	Recaulking exterior panel joints was not completed when structure was pressure washed and sealed in FY01 due to the discovery of asbestos and a resultant increase in the project's costs.	Juneau
	57	Administration	State Office Bldg. - Replacing mixing valves	22.8	Replace mixing valves - north and south sides central heating (24 each). Replacement will improve facilities operating efficiency and reduce the odds of catastrophic failure.	Juneau
	58	Administration	State Office Bldg. - Chiller refrigerant	666.0	Modify/replace chiller for non-CFC refrigerant. Repair is required for code compliance and efficient operation of facility. In the future current refrigerant will no longer be available.	Juneau
	59	Administration	All Juneau Facilities - Improve public signs	72.0	Improve exterior and interior signage for public identification (building, offices and parking lots)	Juneau
	60	Administration	Atwood Bldg. - Replace plaza	600.0	Current plaza leaks to the underground garage. Repair will increase structural service life and eliminate corrosive leaks impacting vehicles parked in the garage.	Anchorage
	61	Administration	Court Plaza Bldg. - Install floor drains in r/r	96.0	Install floor drains in all building restrooms to reduce the potential for damage to interior finishes and equipment due to floods and reduce the risk of injury due to slips and falls.	Juneau
	62	Administration	State Office Bldg. Parking Garage - Repair decks	336.0	Repair and reslope exposed concrete decks for better drainage; repair interior leaks	Juneau
	63	Administration	State Office Bldg. Parking Garage - Ramp repairs	300.0	Replace deteriorated sections of parking garage ramps. Repair will improve structure's service life and reduce the risk of accidents caused by rutted ramps.	Juneau
	64	Administration	AK Office Bldg. - Remove equipment	8.4	Remove power filter equipment that was abandoned in place. Repair will improve building efficiency and increase working space in mechanical areas.	Juneau
	65	Administration	AK State Museum - Pressure wash & seal exterior	55.0	Pressure wash and seal building's exterior and recaulk panel joints. Repair will increase structure's service life and improve its appearance.	Juneau
	66	Administration	AK State Museum - Replace/repair rock wall	40.0	Repair/replace rock wall which is disintegrating.	Juneau
	67	Administration	Court Plaza Bldg. - HVAC Upgrades	205.2	Balance HVAC system and modify system for compliance with building codes. Repair will improve facilities efficiency and improve interior air quality.	Juneau
	68	Administration	Diamond Courthouse - Repair plaza leaks	150.0	Repair leaks from the plaza which are filtering into underlying workspaces. Repair will increase structures service life and improve interior work space.	Juneau
	69	Administration	Public Safety Bldg. - Pressure wash building	3.6	Building requires pressure washing to remove algae and dirt buildup. Repair will improve structures appearance and service life.	Juneau
	70	Administration	Archives/Records Bldg. - Repair concrete walls	5.0	Repair deteriorated concrete wall. Repair will improve structures appearance and service life.	Juneau
	71	Administration	Douglas Island Bldg. - Lighting and ceiling upgrade	240.0	Replace ceiling and lights with energy efficient lighting. Repair will dramatically improve facility's energy efficiency and improve interior lighting quality.	Juneau
	72	Administration	Fbks Regional Office Bldg. - Paint exterior	112.8	Paint building exterior. Repair will increase structure's service life and improve appearance.	Fairbanks
	73	Administration	Public Safety Bldg - Replace broken windows	9.6	Replace broken windows. Repair will increase building's efficiency and safety and improve work space.	Juneau
	74	Administration	Governor's House - rock wall and fence repairs	120.0	Existing wooden fence needs replacing. Repair will improve facility's appearance.	Juneau
	75	Administration	Public Safety Bldg - Replace HVAC unit	12.0	Replace HVAC unit for 1st floor. Repair will improve building's efficiency and improve interior air quality.	Juneau
	76	Administration	Fbks Regional Office Bldg - Lighting upgrade	97.2	Increase lighting in common hallway areas. Repair will reduce the risk of accidents and provide a better work environment.	Fairbanks
	77	Administration	Diamond Courthouse - Generator exhaust	50.0	Redirect generator exhaust to unoccupied location. Existing placement of exhaust is not suitable and presents a health risk.	Juneau
	78	Administration	Fbks Regional Office Bldg - Replace c/g system	63.6	Replace deteriorated common hallway area ceiling system.	Fairbanks
	79	Administration	Atwood Bldg - Replace ceiling system	38.4	Replace elevator lobby ceiling system. Repair will provide easier access by maintenance staff.	Anchorage
	80	Administration	Atwood Bldg - Modify filter bank	21.6	Modify filter bank to allow for a tighter fit of the filters and improve the overall function of the filter bank.	Anchorage
	81	Administration	Court Plaza Bldg - Remove equipment	30.0	Remove abandoned restaurant equipment located on the roof. Repair will increase roofing system's service life and improve facility's operating efficiency.	Juneau
	82	Administration	Public Safety Bldg - Replace garage door	12.0	Replace existing garage door with new larger size. Repair will improve storage areas functionality and increase the facilities efficiency.	Juneau
	83	Administration	State Office Bldg - Renovate entrance	24.0	Renovate deteriorated Willoughby Street entrance.	Juneau
	84	Administration	State Office Bldg - Repair cargo doors	18.0	Repair cargo bays on 7th floor. Repair will increase dock facilities effectiveness and reduce the potential of worker injury.	Juneau
	85	Administration	State Office Bldg - Security upgrade	36.0	Replace (2) roll-up security gates on 8th level plaza	Juneau
	86	Administration	State Office Bldg - Security upgrade	639.6	Rekey building with card key access system. Repair will improve building's security and enhance safety for employees and the public.	Juneau
	87	Administration	State Office Bldg - Replace worn carpet	180.0	Replace severely worn and torn carpet in corridors, elevator lobbies; safety hazard. Repair will reduce the potential for injury due to slips and falls.	Juneau
	88	Administration	Fbks Regional Office Bldg - Carpet replacement	34.2	Replace the most severely worn and torn carpet; safety hazard. Repair will reduce the potential for injury due to slips and falls.	Fairbanks

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Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
<b>Department Total</b>				<b>20,248.2</b>		
	1	Administration Pioneers' Homes	JPH Building - Exterior refinishing/foundation drain repairs	231.0	Exterior bldg. wall surfaces are damaged and delaminating due to long term mold & algae growth; causing further wall surface deterioration and eventual interior wall damage that require repairs to resolve condition and foundation perimeter requires drain.	Juneau
	2	Administration Pioneers' Homes	SPH SCU Renovation, 3rd Floor West, Core, South sections	525.0	The common areas and rooms in these areas have not been renovated for 30 years and have deteriorated considerably.	Sitka
	3	Administration Pioneers' Homes	KPH Bldg. Drainage modifications	25.8	Rain water accumulates in parking lot and adjacent bldg. foundation due to lack of proper drainage, requiring extending drainage ditch between hillside and parking lot to eliminate resident and staff falls from icing and foundation deterioration.	Ketchikan
	4	Administration Pioneers' Homes	FPH Aurora entry door upgrade	20.4	Exterior bldg. entry doors directly adjacent to resident rooms, that must be used for deliveries and emergency vehicles, must be propped open in extremely cold weather. Requires electronic door openers to protect residents from extreme conditions.	Fairbanks
	5	Administration Pioneers' Homes	PPH Bathroom remodel	15.0	Two resident bathrooms are inadequately sized for residents with wheelchairs to manage; resulting in falls - requiring they be converted into one unisex bathroom to eliminate injury during use.	Palmer
	6	Administration Pioneers' Homes	APH Special Care Unit Bathing rooms, South Bldg	144.6	South Bldg. SCU's lack bathing rooms to meet residents needs to ensure safe assisted bathing functions - requiring two rooms be converted to bathing rooms to meet their needs	Anchorage
	7	Administration Pioneers' Homes	APH 1st Floor Dining Rm. Renovation	25.9	Existing South Bldg. dining room access is not distinguishable to confused residents, requiring wall be opened to corridor to reduce residents' anxiety and wandering.	Anchorage
	8	Administration Pioneers' Homes	KPH SCU Bathing Rm., 3rd Floor	96.3	Residents can no longer bathe independently, resulting in unsafe bathing practices in small, inaccessible bathrooms - requiring a larger bathing room to reduce danger to residents and staff injuries in bathing activities.	Ketchikan
	9	Administration Pioneers' Homes	FPH SCU Moosewood Renovation	150.0	Renovations will provide a safe SCU for ADRD residents who are no longer able to care for themselves.	Fairbanks
	10	Administration Pioneers' Homes	FPH SCU Aurora Dining/Physical Therapy Conversion	175.0	Resident care areas do not have adequate space to perform proper care requiring space modifications to provide safe and appropriate services to residents.	Fairbanks
	11	Administration Pioneers' Homes	FPH SCU Activity Area Relocation	31.1	The small area for required resident activities and storage of supplies is inadequate. Requiring space renovation to eliminate problem and enable delivery of necessary activities to residents.	Fairbanks
	12	Administration Pioneers' Homes	PPH SCU Sunny Loop Renovation	417.5	This resident care area does not meet the ADRD needs of residents. It needs to be separated into two resident living areas with appropriate bathing, eating, and activity areas, enabling residents to be served according to their special needs.	Palmer
	13	Administration Pioneers' Homes	PPH SCU Homeslead Trail Bathing Rm. Upgrade	39.4	Existing bathing room is claustrophobic, resulting in difficulty in encouraging ADRD residents to bathe with old fixtures and inadequate lighting. Requires modifications to eliminate substandard conditions.	Palmer
	14	Administration Pioneers' Homes	PPH SCU Court Yard Access	5.2	Existing court yard is inaccessible to ADRD residents for required activities - necessitating exterior window be replaced with door unit.	Palmer
	15	Administration Pioneers' Homes	SPH SCU Renovation, 3rd Floor North	270.0	This resident care area does not meet the ADRD needs of residents, requiring it be upgraded with appropriate bathing, eating, and activity areas to enable residents to be served according to their special needs.	Sitka
	16	Administration Pioneers' Homes	KPH SCU Bathing Rm., 2nd Floor	112.4	Residents can no longer bathe independently, resulting in unsafe bathing practices in small, inaccessible bathrooms. Requires a larger bathing room to reduce danger to residents and staff injuries in bathing activities.	Ketchikan
	17	Administration Pioneers' Homes	JPH SCU Kitchen/Dining/Act./Bathing Rm. Remodel	470.6	Resident areas do not meet resident's ADRD needs, requiring remodel of dining, activity area, and adjacent kitchen; including replacement of steam generator, obsolete kitchen equipment, and bathing room to enable residents to be served properly.	Juneau
	18	Administration Pioneers' Homes	APH Facility-wide Wanderer System	161.0	Bldg. lacks proper electronic signaling devices on numerous exterior and interior doors that require wanderer alarms to protect ADRD residents from elopement and harm.	Anchorage
	19	Administration Pioneers' Homes	APH Electrical Upgrades	627.2	Bldg. emergency electrical system and other electrical components, including telephone system, are failing or are not adequate to meet safety standards and occupancy classification codes.	Anchorage
	20	Administration Pioneers' Homes	FPH Fire Alarm Pull Stations/Emergency Light Upgrades	120.7	Bldg. fire alarm pull stations are miss located. Emergency lighting is inadequate. Requiring modifications and additions to meet safety codes and ensure resident safety.	Fairbanks
	21	Administration Pioneers' Homes	FPH Major Electrical Systems Renovation	740.4	Bldg. electrical system has numerous code violations and fire danger related to installed components or lack of proper equipment; including engagement devices for fire alarm that result in fire hazards throughout the bldg. and create fire & life safety.	Fairbanks
	22	Administration Pioneers' Homes	PPH Electrical Renovations	305.0	Bldg. has numerous documented electrical code violations and unsafe electrical wiring conditions, requiring system upgrades to ensure safety of residents and staff	Palmer
	23	Administration Pioneers' Homes	FPH Bldg. Structural Analysis/Repairs	276.6	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe in heavy winds or earthquakes for resident occupancy.	Fairbanks
	24	Administration Pioneers' Homes	KPH Bldg. Structural Renovations	602.0	Bldg. has structural design faults that require identified repairs to make the bldg. safe in heavy winds or earthquakes for resident occupancy.	Ketchikan

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Dept. Priority	Department	Project Title	Bond Amount (\$000)	Project Description	Location
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25	Administration Pioneers' Homes	PPH Bldg. Structural Analysis/Repairs	273.4	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe, in heavy winds or earthquakes, for resident occupancy	Palmer
26	Administration Pioneers' Homes	APH Bldg. Structural Analysis/Repairs	116.9	Bldg. has structural design faults that require identified repairs and more in-depth analysis to make the bldg. safe, in heavy winds or earthquakes, for resident safety.	Anchorage
27	Administration Pioneers' Homes	FPH Crawl Space Renovations	311.8	Bldg. crawl space, that acts as return air plenum, has numerous flammable materials and equipment components that must be removed/replaced to meet fire code and ensure safety of residents.	Fairbanks
28	Administration Pioneers' Homes	FPH Major Systems Replacement (Phase II)	1,732.7	Bldg. components were constructed inappropriately or do not meet code requirements ( i.e., exterior wall assembly/attic perimeter lack vapor barrier and adequate fire protection, Improper roof drainage system that leads to freeze/thaw conditions and icing).	Fairbanks
29	Administration Pioneers' Homes	KPH Mechanical Upgrades	59.9	Bldg. has mechanical deficiencies including asbestos at boiler stack, inadequate combustion air supply to boiler room; and lacks proper protective kitchen exhaust duct cap resulting in mechanical code violations and operations inefficiencies.	Ketchikan
30	Administration Pioneers' Homes	SPH Ventilation System Compliance Upgrade	1,712.3	Ventilation system for west & east wings & core of bldg. lacks sufficient air exchange and fresh air supply, requiring replacement to ensure healthy environment for residents and staff.	Silka
31	Administration Pioneers' Homes	JPH Mechanical Upgrades	172.0	Bldg. has mechanical deficiencies, including: lack of kitchen grease trap, combustion boiler room air and oxygen storage room exhausting, and bldg. ventilation system deficiencies - resulting in mechanical code violations and unsafe conditions for residents.	Juneau
32	Administration Pioneers' Homes	PPH Ventilation & Mechanical Renovations	1,414.0	Bldg. has numerous documented mechanical code violations, poor air quality, and inadequate room heating capacity - resulting in discomfort to residents. Requires upgrades in both ventilation and resident room and toilet/bathing heating units.	Palmer
33	Administration Pioneers' Homes	APH Heating System & Mechanical Renovation	803.8	Bldg. heating system and other mechanical components are aging (showing piping leaks, equipment failure and pneumatic controls failure). Requires replacement with new components and direct digital heating controls to ensure resident safety and comfort.	Anchorage
<b>Department Total</b>			<b>12,184.9</b>		
1	Corrections	Spring Creek Drainage Repairs and Snow Removal Equipment	750.0	Drainage problems are causing repeated flooding of parts of the facility, requiring drainage repairs and removal of snow to correct.	Seward
2	Corrections	Hiland Mt. Domestic Water Installation	400.0	The facility currently relies on inadequate wells. Connection to the city water supply is needed to provide an adequate quantity and quality of water.	Eagle River
3	Corrections	Utility System Repairs and Energy Audits	500.0	Repairs are needed to utility systems in most of the correctional facilities. Energy audits will enable reductions in utility costs.	Statewide
4	Corrections	Perimeter fences, alarms and gates	2,525.0	Improve security by installing a perimeter fence at Hiland Mt. And repair fences, gates, cameras and alarms at other correctional facilities.	Statewide
5	Corrections	Palmer Medium Housing Security Upgrades	500.0	The current level of security is inadequate to prevent prisoner escapes. Security upgrades are necessary to contain inmates.	Palmer
6	Corrections	Tuberculosis Isolation Cells and Ventilation	600.0	A statewide analysis is required to develop fully compliant systems at all correctional facilities. This project will also install improved ventilation systems to reduce the spread of tuberculosis.	Statewide
7	Corrections	PMRC Leach Field Repairs	100.0	Replace two clogged leach fields (ATCO compound #1 & Bunkhouse Bldg.) and install grease trap in the kitchen.	Wasilla
8	Corrections	CIPT East Gate and Supports	75.0	Replace remotely-operated service yard vehicle gate, which has failed	Anchorage
9	Corrections	FCC Unit III Fire Alarm System	70.0	Replace fire alarm detection / control system and field devices.	Fairbanks
10	Corrections	HMCC/MCCC Fire Alarm System Repair	85.0	Replace defective MCCC fire alarm panel and field devices.	Eagle River
11	Corrections	HMCC Fire Pump Day tank Replacement	15.0	Replace defective diesel fuel oil day tank in Fire Pump room.	Eagle River
12	Corrections	CIPT Water Line Replacement	250.0	Replace corroded cold water and hot water distribution lines within the building.	Anchorage
13	Corrections	HMCC Electrical Switchgear Replacement	15.0	Replace main switchgear in the HMCC generator room.	Eagle River
14	Corrections	KCC Intercom / CCTV Repair	30.0	Replace defective intercom system and remaining defective CCTV surveillance system components.	Ketchikan
15	Corrections	MSPT Intercom Repair	50.0	Replace defective intercom system.	Palmer
16	Corrections	SCCC Exterior Repair Ph II	250.0	Repair / replace buckling north exterior wall of APS building.	Seward
17	Corrections	CIPT Roof Repair	800.0	Replace roofing system (18 leaks on both upper and lower roofs, including water entry into electrical conduits and light fixtures)	Anchorage
18	Corrections	HMCC Sloped Roof Repairs, Phase I	750.0	Replace sloped roofing on the Administration Building and Housing Units 1, 2, 3 & 4, much with water damage to asbestos fire proofing.	Eagle River
19	Corrections	LCCC Roof Repair (Ph 3)	400.0	Replace last phase of upper Main Building roofs, which leaks into food service and adjoining areas.	Juneau
20	Corrections	WCC Phase I Roof Repairs	100.0	Repair / replace leaking roofs on Building #1.	Kenai
21	Corrections	FCC Roof Analysis	20.0	Perform condition survey of all FCC roof surfaces to determine project scope.	Fairbanks
22	Corrections	YKCC Roof Repair	20.0	Perform condition survey of all YKCC roof surfaces to determine project scope	Bethel
23	Corrections	FCC TB Isolation Cell Ventilation	75.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Fairbanks
24	Corrections	PCC Underground Fuel Tanks	150.0	Replace two underground heating oil fuel tanks, Medium Compound and Administration Building.	Sutton

**Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities**

Dept.			Bond Amount		
Priority	Department	Project Title	(\$000)	Project Description	Location
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25	Corrections	PCC Water System Repairs	200.0	Connect Well #3 into the water distribution system to provide backup water source.	Sutton
26	Corrections	YKCC Fire Alarm System Repair	45.0	Replace fire alarm controls and field devices.	Bethel
27	Corrections	PCC Fuel Oil Day Tank Replacement	135.0	Replace fuel oil day tanks in selected mechanical rooms.	Sutton
28	Corrections	WCC Phase II Asbestos Abatement	150.0	Abate asbestos in buildings #1, 15, and 8.	Kenai
29	Corrections	FCC Security Gates #1 & #2 Replacement	150.0	Replace Vehicle Sallyport Security Gates #1 & #2, including operators, locks and controls.	Fairbanks
30	Corrections	FCC Yard Out Door Replacement	15.0	Replace the yard Out security door, including electronic controls.	Fairbanks
31	Corrections	FCC Unit III Control Room Intercom Repair	30.0	Replace intercom system in Unit III.	Fairbanks
32	Corrections	PCC Perimeter Alarm Repair	650.0	Repair / replace FPS perimeter security alarm system.	Sutton
33	Corrections	HMCC Control Room Upgrades	200.0	Replace security control console, CCTV monitors / controllers and associated control room equipment.	Eagle River
34	Corrections	LCCC Gate Operator Replacement	65.0	Replace vehicle sallyport gate operator.	Juneau
35	Corrections	PCC Security Door Locks Repair	60.0	Repair security locks in the medium compound.	Sutton
36	Corrections	YKCC Building Structural Evaluation	10.0	Structural engineering analysis of pilings, walls and roof: leveling problem.	Bethel
37	Corrections	HMCC Fire / Life Safety Repairs	60.0	Repair HMCC fire alarm system and overhaul diesel fire pump.	Eagle River
38	Corrections	HMCC Complex M/E HVAC Evaluation	50.0	Evaluate HMCC and MCCC mechanical & electrical systems.	Eagle River
39	Corrections	KCC Sewage Grinder	150.0	Install a sewer grinder in an exterior vault to prevent materials entering the public sewer system.	Ketchikan
40	Corrections	LCCC Sewage Grinder	200.0	Install a sewer grinder in an exterior vault to prevent materials entering the public sewer system.	Juneau
41	Corrections	HMCC Sloped Roof Repairs, Phase II	850.0	Replace sloped roofing on HMCC housing. Units 3 & 4 and flat roofs on MCCC buildings.	Eagle River
42	Corrections	PCC Min. P&S Fire Alarm	20.0	Replace Minimum Programs & Support Building fire alarm system.	Sutton
43	Corrections	SCCC CCTV Surveillance System Repair	150.0	Replace CCTV surveillance system cameras and monitors.	Seward
44	Corrections	DOC Preventive Maintenance System	225.0	Replace the current DOC maintenance management system.	Statewide
45	Corrections	PMRC Kitchen/Dining Room replacement	900.0	Replace kitchen and dining room.	Wasilla
46	Corrections	PMRC Housing - 20 replacement beds	1,100.0	Construct 20 replacement beds to replace failing ATCO trailer units; Includes sprinkler system.	Wasilla
47	Corrections	FCC Boiler Room Combustion Air Correction	80.0	Install code-complying combustion air system in the boiler room.	Fairbanks
48	Corrections	LCCC TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Juneau
49	Corrections	HMCC/MCCC TB Isolation Cell Ventilation	75.0	Repair MCCC TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Eagle River
50	Corrections	HMCC/MCCC Fuel Tank & Piping	60.0	Replace MCCC underground heating oil tank.	Eagle River
51	Corrections	PCC Aboveground Fuel Tank Replacement	50.0	Replace single wall aboveground fuel tanks with properly-contained double wall tanks.	Sutton
52	Corrections	WCC HVAC - Bldg. # 10 Boiler	500.0	Replace Building #10 boiler and relocate current boiler to Building #12.	Kenai
53	Corrections	YKCC Waste Heat / Boiler Replacement	150.0	Replace DHW heat exchanger / storage tank and enlarge boiler to meet load requirements.	Bethel
54	Corrections	WCC Pretrial TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation in Building #5 to meet airborne pathogens code requirements.	Kenai
55	Corrections	WCC Bldg. #5 / #10 Emerg. Gen.	80.0	Replace Building #10 generator and move exiting unit to Building #5.	Kenai
56	Corrections	WCC Bldg. #10 Fire Alarm	190.0	Replace Building #10 fire alarm system.	Kenai
57	Corrections	WCC Bldg. #5 Fire Alarm	190.0	Replace Building #5 fire alarm system.	Kenai
58	Corrections	FCC Gym Glazing (Lexan) Replacement	4.0	Replace gym / main corridor LEXAN glazing.	Fairbanks
59	Corrections	PCC Exterior Booking Doors Replacement	10.0	Replace exterior entry doors in the booking area.	Fairbanks
60	Corrections	FCC CCTV Cameras Replacement	15.0	Replace defective CCTV surveillance cameras and monitors.	Fairbanks
61	Corrections	PCC TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation in the Medium Medical Segregation area to meet airborne pathogens code requirements.	Sutton
62	Corrections	FCC Unit III Gym Door Replacement	30.0	Replace gym security door.	Fairbanks
63	Corrections	FCC Industries Bldg. Gate Repair	60.0	Replace Industries Building vehicle security gate.	Fairbanks
64	Corrections	KCC TB Isolation Cell Ventilation	75.0	Repair TB Isolation Cell ventilation to meet airborne pathogens code requirements.	Ketchikan
65	Corrections	HMCC Perimeter Alarm Repair	650.0	Repair / replace FPS perimeter security alarm system.	Eagle River
66	Corrections	KCC Security Controls Repair	175.0	Replace security control system.	Ketchikan
67	Corrections	PCC Med. Housing Doors Replacement	125.0	Replace security doors in the Medium housing units.	Sutton
68	Corrections	MSPT TB Isolation Cell Ventilation	100.0	Repair TB Isolation Cell ventilation to meet airborne pathogen: code requirements.	Palmer
69	Corrections	FCC Roof Repair	800.0	Replace roofing system.	Fairbanks
70	Corrections	PCC Med. Walkway Repair	100.0	Replace the Medium Compound walkway canopy roof, which is currently rotting	Sutton
71	Corrections	PCC Admin. Roof Replacement	30.0	Replace existing deteriorated shingle roof with metal roofing.	Sutton
72	Corrections	WCC Phase II Roof Repairs	270.0	Repair / replace roofs on Buildings #7, 8, 5, 15 & 55.	Kenai
73	Corrections	AMCC Exterior Repair	150.0	Repair spalling concrete & exposed rebar on precast wall panels.	Nome
74	Corrections	PCC Sewer Main Extension	600.0	Replace 2 septic systems (serving 5 buildings) by extending the sewer trunk.	Sutton
75	Corrections	FCC Building Exterior Repairs	50.0	Repair spalling in concrete walls, repair rusted rebar and repaint.	Fairbanks
76	Corrections	YKCC Interior Walls / Windows Repair	10.0	Repair deteriorated plaster walls in housing units which have been damaged by excess condensation on exterior windows.	Bethel
77	Corrections	AMCC HVAC Repairs	100.0	Repair HVAC system serving the Control Room and Booking area.	Nome

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78	Corrections	AMCC Refrigeration Compressors	50.0	Replace compressor units.	Nome
79	Corrections	CIPT Floor Drains Repairs	40.0	Repair floor drains in Alpha/Bravo and Juliet/Kilo housing modules.	Anchorage
80	Corrections	FCC Gym HVAC Repair	9.0	Replace failing unit heater heating coil, valves and controls.	Fairbanks
81	Corrections	FCC Walk-in Cooler & Freezer Replacement	200.0	Replace walk-in cooler & freezer units.	Fairbanks
82	Corrections	FCC Unit II Sewer & Floor Drain Repair	25.0	Repair leaking Unit II sewer lines and floor drains.	Fairbanks
83	Corrections	KCC Washer / Drier Foundation Repair	15.0	Replace concrete foundation under institutional washers and dryers.	Ketchikan
84	Corrections	FCC Industries Bldg. Boiler Repair	10.0	Replace Industries Building boiler.	Fairbanks
85	Corrections	FCC Gym Mech. Rm. Controls Repair	40.0	Replace Gym Mechanical Room HVAC controls.	Fairbanks
86	Corrections	FCC Exhaust Fan Controls Repair	3.0	Replace exhaust fans controls.	Fairbanks
87	Corrections	KCC Dishwasher Ventilation	70.0	Replace the Kitchen dishwasher ventilation system.	Ketchikan
88	Corrections	PCC Med. Dishwasher Replacement	60.0	Replace Medium Kitchen dishwasher.	Sutton
89	Corrections	PCC Med. Walk-in Cooler Replacement	100.0	Replace Medium Kitchen walk-in cooler.	Sutton
90	Corrections	PCC Med. HVAC Repairs	500.0	Repair Medium Programs & Support Building heating and ventilating system.	Sutton
91	Corrections	PCC Min. Dishwasher Replacement	60.0	Replace Minimum kitchen dishwasher.	Sutton
92	Corrections	PCC VRC Electrical & Mechanical Repair	35.0	Electrical, mechanical and architectural repairs in the Visitors Reception Center.	Sutton
93	Corrections	PCC Kitchen Water Softeners	25.0	Install water conditioning for critical appliances in both kitchens to prevent calcium buildup and resulting early equipment failure.	Sutton
94	Corrections	SCCC Water Line Replacement / Treatment	100.0	Replace corroded water lines in Housing Units 1, 2, & 3.	Seward
95	Corrections	SCCC Valve Replacement	50.0	Replace valves on VAV heating boxes.	Seward
96	Corrections	SCCC Exhaust Fans: APS, Housing.	15.0	Replace exhaust fans in the APS and housing buildings.	Seward
97	Corrections	SCCC Hot Water Mixing Valves	12.0	Replace hot water mixing valves in Medical Segregation and Housing Units 1, 2, & 3.	Seward
98	Corrections	WCC Bldg. #15/8/14/13 HVAC Repair	125.0	Replace HVAC equipment in Buildings #15, 8, 14 and 13.	Kenai
99	Corrections	WCC Plumbing Fixtures & Water Lines	45.0	Repair plumbing fixtures and water lines in Buildings #5 & 10.	Kenai
100	Corrections	YKCC HVAC Controls Evaluation	70.0	Repair / recalibrate HVAC pneumatic control system.	Bethel
101	Corrections	YKCC Water Treatment System Repair	50.0	Repair chlorination and iron removal water treatment system in Class "A" water system.	Bethel
102	Corrections	PCC Maintenance Shop Repairs	70.0	Architectural, mechanical and electrical repairs in the shop buildings.	Sutton
103	Corrections	FCC Elevator Repair	100.0	Repair kitchen / loading dock hydraulic elevator.	Fairbanks
104	Corrections	FCC Sink Hole Repair	10.0	Repair sink hole in the public parking lot sidewalk.	Fairbanks
105	Corrections	FCC Admin Security Door Replacement	5.0	Replace administration area exterior entry security door.	Fairbanks
106	Corrections	KCC Rock Stabilization & Property Fence	135.0	Stabilize exposed rock banks and replace property fence along top of the rock face.	Ketchikan
107	Corrections	LCCC Perimeter Alarm Repair	700.0	Repair inoperative perimeter security alarm system.	Juneau
108	Corrections	MSPT Kitchen Floor Repair	150.0	Replace delaminating ceramic tile flooring.	Palmer
109	Corrections	PCC Admin Bldg. Repairs	25.0	Architectural, mechanical and electrical repairs in the Administration Building.	Sutton
110	Corrections	PCC Programs & Support Repairs	60.0	Architectural, mechanical and electrical repairs in the Minimum Programs & Support Building.	Sutton
111	Corrections	PCC Med. Kitchen Repairs	130.0	Architectural, mechanical and electrical repairs in the Medium Compound kitchen.	Sutton
112	Corrections	PCC Min. Kitchen Repairs	150.0	Architectural, mechanical and electrical repairs in the Minimum Compound kitchen.	Sutton
113	Corrections	PMRC Deferred Maintenance	150.0	Architectural, structural, mechanical and electrical repairs in the administration, programs and original two housing buildings.	Wasilla
114	Corrections	PMRC Repairs	600.0	Architectural, structural, mechanical and electrical repairs in the main barn, maintenance and other farm buildings.	Wasilla
115	Corrections	YKCC North/South Vehicle Gates Replacement	40.0	Repair gate roller assemblies and correct icing problems.	Bethel
116	Corrections	PCC Water System	2,816.5	Upgrade the Class "A" water distribution system to provide proper water treatment and storage capacity.	Sutton
<b>Department Total</b>			<b>25,824.5</b>		
1	Education	Mt. Edgecumbe High School Repair and Renovation	6,153.2	These facilities are in need of extensive repairs and renovation.	Sitka
2	Education	AVTEC First Lake Facility Elevator Replacement	103.5	The current elevator is more than 50 years old and has exceeded its service life, resulting in very unreliable service and excessive repair costs.	Seward
3	Education	AVTEC Dormitory Renovation	2,476.0	Renovation is necessary to correct code violations and provide acceptable living conditions for students.	Seward
4	Education	AVTEC Apartment Buildings Interior and Exterior Renovation	138.0	Purchase of the Alderwood apartments for student housing requires renovations to correct code violations and structural deficiencies.	Seward
<b>Department Total</b>			<b>8,876.7</b>		
1	Fish and Game	Emmonak Field Office Construction	200.0	New office space is required to provide adequate space for managing Yukon River fisheries.	Emmonak

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	2	Fish and Game	Bunkhouse (AYK); Replacement	650.0	Required for employee health and safety. (750.0)	Bethel
	3	Fish and Game	Kodiak Office: Replace ACM Siding	500.0	Asbestos siding and weather coat deteriorated	Kodiak
	4	Fish and Game	Cold Storage Building Repairs; Statewide	50.0	Rehab. roofs/siding/ foundations/etc. (75.0)	Statewide
<b>Department Total</b>				<b>1,400.0</b>		
	1	Health & Social Services.	Statewide Deferred Maintenance and Renovation	1,600.0	Fund priority deferred maintenance at 38 state-owned buildings to preserve assets and reduce future repair costs.	Statewide
	2	Health & Social Services.	MYC Food Service, Ventilation, Sanitation and Safety Project	480.3	Project is to completely remediate and refurbish the McLaughlin Youth Center kitchen. The kitchen has been subject to extremely hard use for over 30 years, has insufficient food service capacity, and needs to be brought up to current health and safety codes. Interior steam piping must be replaced as well as the unserviceable kitchen equipment.	Anchorage
	3	Health & Social Services.	Juneau Health Center Heating and Ventilation System	410.0	Replace the antiquated and failing heating and ventilation (HVAC) system at the Juneau Public Health Center (JPHC) to bring the system up to code, to increase energy efficiency, and to improve patient and staff safety. For the State to continue to ignore the HVAC problems risks an interruption of services to the public. (500.0)	Juneau
	4	Health & Social Services.	Sitka Health Center Safety and Security Upgrades	106.3	Safety and security upgrades for the Sitka Public Health Center facility are necessary to make existing space programmatically appropriate for the Division of Public Health and the Division of Juvenile Justice. (125.0)	Sitka
	5	Health & Social Services.	Juneau Health Center Exterior Painting	20.2	The exterior siding has not been painted since construction in 1985 and has degraded. Seal and paint siding as needed. (24.7)	Juneau
	6	Health & Social Services.	MYC Cottage 4 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.	Anchorage
	7	Health & Social Services.	MYC Cottage 4 Window Replacement	91.3	The bedrooms have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.	Anchorage
	8	Health & Social Services.	MYC Cottage 4 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.	Anchorage
	9	Health & Social Services.	Assels Building Exterior Lighting Repair	32.9	The west end of the parking lot does not have lighting. This is a safety risk. Install two light poles as needed on the west side of the parking lot.	Anchorage
	10	Health & Social Services.	MYC Cottage 2 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.	Anchorage
	11	Health & Social Services.	MYC Cottage 2 Window Replacement	91.3	The bedrooms have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.	Anchorage
	12	Health & Social Services.	Sitka Health Center Window Replacement	47.8	Windows are nearly 25 years old and are wood-framed. They are rotting and beginning to leak. (57.6)	Sitka
	13	Health & Social Services.	Griffin Memorial Building Water Service, Window & Door Repair	85.5	Pressure reducing valve required to lower incoming water pressure. Windows and doors are 50 years old and in need of replacement.	Kodiak
	14	Health & Social Services.	MYC Cottage 2 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.	Anchorage
	15	Health & Social Services.	MYC Cottage 1 Pipe Replacement	88.8	The domestic and heating pipes need to be replaced. This is verified in a pipe condition analysis performed this year.	Anchorage
	16	Health & Social Services.	MYC Cottage 1 Window Replacement	91.3	The bedrooms in all cottages have residential casement windows (50) that have inoperable hardware and need to be replaced. The thermopane glazing (20) in the breezeways of three cottages has lost its seal and needs to be replaced, as do the awning windows in the dayrooms (10). These windows are 26 years old.	Anchorage
	17	Health & Social Services.	MYC Cottage 1 Shower Renovation	131.6	The bathrooms of three cottages have several broken, uneven and discolored tile floors. Remodel showers up to code.	Anchorage
	18	Health & Social Services.	Bethel Youth Facility Heat Exchanger Repair	32.9	The existing domestic water heat exchanger has reached the end of its life cycle term and has started to fail. The internal bundle has been replaced as a stop-gap measure. Replacement with a plate style of heat exchanger will require less space and be more efficient.	Bethel
	19	Health & Social Services.	Bethel Youth Facility Lift Station Move	115.2	The sewage lift station is located in a classroom adjacent to a demising wall. When service is required, the classroom must be taken out of service and rearranged in order to open the access door. This takes a significant amount of time during which the facility can not use water. The float controls are inaccessible for service. It also needs a larger capacity tank. Relocate lift station to the exterior of the facility. Design is needed.	Bethel
	20	Health & Social Services.	Johnson Youth Center Day Room Structural Survey	10.7	Dayroom ceiling is sagging and in need of repair.	Juneau

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Dopt.	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
21	Health & Social Services.	Assets Building Structure & Roof Repairs	112.7	Repairs to the parking lot, sidewalk, entry locks, canopy and roof drainage system are necessary.	Anchorage
22	Health & Social Services.	Fairbanks Youth Facility Water Remediation	49.4	The domestic water contains significant amounts of minerals that are shortening the life of all water heating equipment due to scale build up. Install a filtering/ softener system to remedy this.	Fairbanks
23	Health & Social Services.	Juneau Health Center Exterior Lighting & Wall Repairs	20.9	There is inadequate exterior lighting on the east and south sides of the facility. Exterior walls need to be patched and repaired.	Juneau
24	Health & Social Services.	Bethel Youth Facility Wall Repair	57.6	The marlite panels in the showers and in the kitchen have begun to delaminate and need to be replaced with FRP panels, or another moisture resistant product. There are also many damaged areas inside the detention cells due to gypsum wallboard susceptibility to damage. Laminate wallboard with durable sheet goods.	Bethel
25	Health & Social Services.	Nome Youth Facility Door & Lockset Repair	39.5	Door & lockset repair	Nome
26	Health & Social Services.	Ketchikan Health Center Insulation & Sidewalk Repair	24.3	The sidewalk has deteriorated from salts and needs to be replaced in some areas to remove tripping hazards. Foundation is not insulated and is in need of insulation. (29.6)	Ketchikan
27	Health & Social Services.	Assets Building Ventilation Repair	65.8	The production room on the east end of the facility has a significant amount of humidity accumulation and will continue to have problems with condensation. Installation of a make up air unit is needed.	Anchorage
28	Health & Social Services.	Assets Building Floor Covering Replacement	49.4	The vinyl on the west side of the facility is 20 yrs old and needs replaced. The vinyl flooring in the men's room has also failed and needs replaced.	Anchorage
29	Health & Social Services.	Assets Building Control System Replacement	230.3	The existing controls are obsolete, and in several areas are non-functioning. This severely impacts the indoor air quality of this facility. Replace the existing control system with a direct digital control system.	Anchorage
30	Health & Social Services.	Assets Building Pipe Replacement	246.8	Several sections of the domestic plumbing have experienced significant electrolysis and have failed. Replacement of these sections and installation of dielectric unions is needed.	Anchorage
31	Health & Social Services.	Bethel Youth Facility Roof, Window And Electrical Repairs	37.0	Roof, window, and electrical are old, failing, and in need of repair.	Bethel
32	Health & Social Services.	Ketchikan Health Center Exterior Paint	27.0	The exterior paint is 12 years old. The siding needs to be re-painted in order to preserve the wood. (32.9)	Ketchikan
33	Health & Social Services.	Fairbanks Youth Facility Roof & HVAC Repairs	55.1	The roof over the multi-purpose room has inadequate drainage. Up to 6 inches of water and ice collect on the roof. This results in loads heavier than that for which the building was designed. Install 2 additional roof drains.	Fairbanks
34	Health & Social Services.	Bethel Public Health Nursing Annex Roof, Insulation & Drainage Repairs	44.1	The surface water from the parking lot drains underneath the annex building. This creates problems with the foundation footing. Bring fill in to relocate drainage to a more suitable location.	Bethel
35	Health & Social Services.	MYC Fire/Life Safety Repairs	60.5	Various roof repair and drainage projects including ceiling seismic bracing.	Anchorage
36	Health & Social Services.	Sitka Health Center Lighting & Door Replacement	22.5	The main entry door has weathered beyond repair and needs to be replaced. (27.1)	Sitka
37	Health & Social Services.	MYC Building B&C Steel Deck Painting	26.3	The steel roof decking that was painted in the maintenance, shipping/receiving and storage areas has failed. Flaking paint is carried into food preparation and laundry storage areas causing unsafe conditions. Repainting with proper application is needed.	Anchorage
38	Health & Social Services.	MYC Building B&C Cabinet Unit Heater Replacement	32.9	The cabinet unit heaters located in the hallways of buildings "B" & "C" are more than 30 years old and to be need replaced because parts are no longer available and are difficult to maintain.	Anchorage
39	Health & Social Services.	Denardo Center Building Envelope Repairs	97.1	The exterior siding is starting to be exposed to the weather and needs to be resealed. Most of the wood doors are damaged and need to be replaced. This cost includes the replacement of locksets, as they are non-maintainable and are starting to fail.	Fairbanks
40	Health & Social Services.	MYC Building B&C Roof Repairs	41.1	The EPDM roofing on Detention and the boiler room have had leaks due to failed seams. Debris has been found between the pavers and the membrane. These roofs need cleaned, inspected and repaired as needed. There are several areas on all roofs that need to have vegetation removed. The parapet caps on buildings B & C need repainted. There are also several places where fasteners have been installed on top of the cap causing potential leaks. Repaint caps and seal all penetrations.	Anchorage
41	Health & Social Services.	MYC Building B&C and Cottage 4 Probation and Miscellaneous Repairs	4.9	The canopy lights located at both entries at the probation building use "A" style incandescent bulbs and burn out frequently. Replace with more efficient and long life high pressure sodium fixtures. Also replace dishwasher and range with newer, more efficient models.	Anchorage
42	Health & Social Services.	MYC Building B&C Roof Drain Installation	41.1	The hallway roof on building B&C utilized an inadequate scupper system which results in a significant amount of standing water. Install the drains and leaders required for proper water removal.	Anchorage
43	Health & Social Services.	Nome Youth Facility Shower Repairs	49.4	The restroom and showers were constructed of residential quality shower stalls and marlite panels which have poor long term performance. Remove and replace with tile.	Nome
<b>Department Total</b>			<b>5,312.6</b>		

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Dept.	Department	Project Title	Bond Amount (\$000)	Project Description	Location
1	Military and Veterans Affairs (DMVA)-Army	Alaska Military Youth Academy Deferred Maintenance and Energy Conservation	198.3	Total cost is in parentheses if other funds will be included. Fund priority deferred maintenance items and reduce utility costs.	Fort Richardson
2	DMVA-Army	Alaska Military Youth Academy Dining Facility Renovation	109.5	Dining facility requires renovations to adequately serve the number of students and staff using the facility.	Fort Richardson
3	DMVA-Army	ARMORY, REPLACE COMPOSTING TOILET	3.8	Not maintainable. Replace with interior, efficient unit. (15.0)	Teller
4	DMVA-Army	ARMORY, Jewel Lake REPLACE ROOF	200.0	Exceeded design life. Roof leaks patched numerous times.	Anchorage
5	DMVA-Army	ARMORY, REPLACE ROOF	75.0	Exceeded design life. Roof leaks patched numerous times. (150.0)	Nomo
6	DMVA-Army	ARMORY, REPLACE BOILER	25.0	Exceeded design life/inefficient. Was oil now natural. gas.	Wasilla
7	DMVA-Army	UNHEATED STORAGE BUILDING, CORRECT DRAINAGE	30.0	Bldg. floods in spring, need drain tile and sump.	Nome
8	DMVA-Army	ARMORY, REPLACE WATER SYSTEM	10.0	Well treatment equipment requires constant attention. Replac.	Bethel
9	DMVA-Army	USP&FO, REPAIR ROOF	25.0	Drain runoff away from bldg. Extend o/hang & add insulation. (100.0)	Ft. Richardson
10	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)	Elim
11	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace.(10.0)	Teller
12	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	10.0	Wooden sash dry rotting & thermopanes leaking. Replace.	Shishmaref
13	DMVA-Army	ARMORY, REPLACE WOOD WINDOWS W/PVC	2.5	Wooden sash dry rotting & thermopanes leaking. Replace. (10.0)	Brevig Mission
14	DMVA-Army	ORGANIZED MAINTENANCE SHOP, REPAIR EXTERIOR	6.3	Exterior paint cracking, flaking, repaint to protect. (25.0)	Fairbanks
15	DMVA-Army	ARMORY, REPLACE FOUNDATION W/TRIODETIC	10.0	Structural dry rot of post/beams. Replace w/metal truss. (40.0)	Elim
16	DMVA-Army	USP&FO, REPAIR ELECTRICAL	10.0	Inadequate power for work stations. Add power to bldg. (40.0)	Ft. Richardson
17	DMVA-Army	ARMORY, ENCAPSULATE ASBESTOS WAINSCOT W/FRP BOARD	2.5	Transite panels exposed in workbay. Overlay. (10.0)	Nome
18	DMVA-Army	ARMORY, REPAIR UNDERGROUND ELECTRICAL	100.0	Old poles/transformers o/h to 5 buildings. Put underground.	Wasilla
19	DMVA-Army	ORGANIZED MAINTENANCE SHOP, REPAIR SIDING	8.3	Surface delaminating. Replace damage & install metal siding. (25.0)	Nome
1	DMVA-Kulis	Repair ventilation, Bldg. 45	13.8	Increase amount of air movement. (55.0)	Kulis\Anchorage
2	DMVA-Kulis	Maintain aircraft aprons	11.3	Repair cracks and seal.(45.0)	Kulis\Anchorage
3	DMVA-Kulis	Eliminate ice build up on exterior surfaces	1.6	Eliminate ico build up on exit doors. (6.5)	Kulis\Anchorage
4	DMVA-Kulis	Install fence around antenna towers	2.0	Electrical shock can occur without fence. (8.0)	Kulis\Anchorage
5	DMVA-Kulis	Replace oil/water tank monitors	3.8	Prevent tanks from overflow. (15.0)	Kulis\Anchorage
6	DMVA-Kulis	Replace main parking lot stairways	2.5	Existing stairways are unsafe needs replacement. (10.0)	Kulis\Anchorage
7	DMVA-Kulis	Extend canopy over back stairs	1.3	Prevent ice buildup on exterior steps. (5.0)	Kulis\Anchorage
8	DMVA-Kulis	Replace door AGE Bldg. 47	1.3	Allow movement of equipment inside. (5.0)	Kulis\Anchorage
9	DMVA-Kulis	Install air conditioning Bldg. 21	2.5	Command Post area summer environmental. (10.0)	Kulis\Anchorage
10	DMVA-Kulis	Alterations to eliminate glaciation. Bldg. 45 (fuel Cell)	2.5	Glaciers of ice form and fall on lower roof. (10.0)	Kulis\Anchorage
11	DMVA-Kulis	Repair sewer line Bldg. 72-42	5.0	Sewer line freeze during winter/low section. (20.0)	Kulis\Anchorage
12	DMVA-Kulis	Refurbish Bldg. 9 to fit mission	7.5	Old motorpool being used as mobility processing area. (30.0)	Kulis\Anchorage
13	DMVA-Kulis	Enclose LOX cart facility/construct	16.3	Unit compliance findings/safety in handling. (65.0)	Kulis\Anchorage
14	DMVA-Kulis	Reposition T-33 static aircraft	1.8	Too close to road -- possible damage. (7.0)	Kulis\Anchorage
15	DMVA-Kulis	Install pavement munitions storage area yard	11.3	Prevent gravel from being carried on to parking apron. (40.0)	Kulis\Anchorage
16	DMVA-Kulis	Pave west perimeter road to munitions area	13.8	Prevent gravel from being carried on to parking apron. (55.0)	Kulis\Anchorage
17	DMVA-Kulis	Upgrade communication vault system basewide	12.5	Complete tie in for communication to all facilities with fiber. (50.0)	Kulis\Anchorage

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Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	18	DMVA-Kulis	Repair/replace organizational signs Basewide	7.5	Units/changing and information. (30.0)	Kulis\Anchorage
	19	DMVA-Kulis	Install mobility storage system (Ecamp) Bldg. 50	23.8	Not earthquake proof, safety write up.(95.0)	Kulis\Anchorage
	20	DMVA-Kulis	Install Fire suppression system Bldg. 4	11.3	Mobility equipment storage requires sprinklers. (45.0)	Kulis\Anchorage
	21	DMVA-Kulis	Install keypad entry Bldg. 72-42/23	5.0	Required for protection of equipment. (20.0)	Kulis\Anchorage
	22	DMVA-Kulis	Relocate/Upgrade static aircraft displays	10.0	New facilities cause displays to be moved. (40.0)	Kulis\Anchorage
	1	DMVA-Eielson	Install air conditioner duct-work, Bldg. 3180	2.6	Replace ductwork. (11.5)	Eielson\Fairban
	2	DMVA-Eielson	Repair asphalt as needed to prevent further deterioration	8.8	Misc. asphalt repairs. (35.0)	Eielson\Fairban
	3	DMVA-Eielson	Light required for personnel to measure fuel tank levels daily, Bldg. 1174	1.3	Install lighting at fuel Island. (5.0)	Eielson\Fairban
<b>Department Total</b>				<b>1,009.8</b>		
	1	Natural Resources	Goose Bay Facility	300.0	Demolish buildings, asbestos abatement, disposal of hazardous materials and site grading.	Wasilla
	2	Natural Resources	Structural Repairs for Entrance Area at Kachemak District Headquarters and Floor Supports at Kenai Area Headquarters.	148.5	1. Construct required second egress to basement to meet code (Kachemak District Headquarters). 2. Replace floor structural supports. Floor is rotten. (Kenai Area Headquarters).	Homer, Sterling
	3	Natural Resources	Multiple-location Mechanical Systems Upgrades and Replacements to Bring Systems up to Code.	326.3	1. Replace worn-out chimney - fire threat. (Butterfly Lake Ranger Station). 2. Replace wood heating system - existing is fire threat. (Chilkat State Park Ranger Station). 3. Replace unreliable oil stove - fumes and fire threat. (Harding Lake Ranger Station)	Nancy Lake, Haines, Salcha, Finger Lake, Homer, Sterling, Kodiak, Ninilchik, Juneau, Wasilla Tok, Eagle River, McGrath, Glennallen, Delta, Fairbanks, Kenai, Palmer, Homer, Tanacross, Glennallen
	4	Natural Resources	Facility Code Compliance Study for all Forestry Buildings Statewide	100.0	On-site code compliance survey for all Forestry facilities. Examine compliance with plumbing, electrical, mechanical and fire/safety codes. Document deficiencies, recommend solutions, and provide estimate of funds necessary for corrections.	Tanacross, Glennallen
	5	Natural Resources	Abandoned DOT Maintenance Station	330.0	Demolish buildings, asbestos abatement, disposal of hazardous materials and site grading.	Glennallen
	6	Natural Resources	Multiple-Location Electrical System Upgrades and Replacements to Meet Code	70.7	Upgrade and/or replace electrical systems that do not meet code. (Kodiak Maintenance Shop, Northern Area Headquarters, Kachemak District Headquarters, Kenai Area Headquarters, Mat-Su Area Headquarters).	Kodiak, Fairbanks, Homer, Sterling, Finger Lake
	7	Natural Resources	Asbestos Abatement at Copper River Forestry building	20.0	Abate all identifiable remaining asbestos in Copper River Forestry (plumbing, ceiling and floors, and sheetrock joints).	Glennallen
	8	Natural Resources	Copper River Safety Upgrades	30.0	Install ground fault circuit interrupters, correct electrical load deficiencies, increase electrical access, eliminate exhaust leaks in boiler chimneys.	Glennallen
	9	Natural Resources	Plant Material Center Electrical System Upgrade and Backup Power Supply	92.0	The electrical system is old and some portions are out of code.	Palmer
	10	Natural Resources	Four Initial Attack Ready Room Upgrades for Mechanical, Structural and Electrical.	160.0	Mechanical, structural, and electrical upgrades to four Forestry Ready Rooms used for Initial Attack Forest Technicians, their firefighting clothing and gear, and storage of firefighter equipment.	Kenai, Tok, Copper River, Delta
	11	Natural Resources	Plant Material Center Safety Upgrade in Seed House	19.0	Various mechanical and electrical items need to be brought up to OSHA standards.	Palmer
	12	Natural Resources	Delta Forestry Roof Replacement	10.0	Replace Delta Forestry roof that is leaking, damming, losing heat, and has shingles breaking.	Delta
	13	Natural Resources	Plant Material Center Roof Repairs on Main Office	51.0	Roof has extensive leaks and structural damage requiring replacement of entire roof to eliminate unsafe condition.	Palmer

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Dept. Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
14	Natural Resources	Plant Material Center Furnace and Boiler Replacement	25.0	With addition of growth chambers and germinators, large quantities of needed heat/cooling cannot be accomplished by existing furnace/ducting.	Palmer
15	Natural Resources	Replace Delta Forestry Windows	45.0	Replace original windows installed in 1959.	Delta
16	Natural Resources	Relocate Communications and Demolish Old Fire Facility	40.0	Relocate communications wiring, serving Fairbanks Parks and Forestry, from vacated building. Demolish, including disposal of hazardous building materials.	Fairbanks
17	Natural Resources	Extend Eagle River Shop Roof to Prevent Electrical Conduit Damage	5.0	Eaves need extension at the Forestry Eagle River Shop to prevent ice dams from breaking electrical conduits.	Eagle River
18	Natural Resources	Insulate Delta Forestry Warehouse	5.0	Reinsulation of Delta Forestry Warehouse. 10-15 year-old spray insulation is damaged with cracks that leak water, freeze, and rethaw to increase damage.	Delta
19	Natural Resources	Replace Copper Water Pipes at Kenai Forestry	15.0	Replace copper pipes originally installed in the Kenai Forestry office. Copper and lead in water exceed limits for drinking water.	Kenai
20	Natural Resources	Separate and Exhaust Vehicle Fumes in Kenai Forestry	7.0	Kenai Shop area lacks adequate separation from other work areas, and lacks exhaust mechanism for vehicle fumes of equipment under repair.	Kenai
21	Natural Resources	Drinking Water Filtering at Kenai Forestry	4.0	Install a water filtering system in Kenai Forestry office. Eliminate present use of bottled water for drinking due to copper and lead levels.	Kenai
22	Natural Resources	Forestry Waste Fuel Storage at Eagle River	4.0	Enclose waste fuel collected during maintenance and repair of firefighting equipment.	Eagle River
23	Natural Resources	Forestry Seedling Building Windows and Electricity at Kenai Forestry	10.0	Electrical access and window installation in Kenai Forestry seedling storage structure.	Kenai
24	Natural Resources	Overhead Door Replacement at Eagle River	3.0	Replace malfunctioning door of Forestry's refurb building.	Eagle River
25	Natural Resources	Kenai Forestry Building Insulation and Garage Door Replacement	8.0	Improve poorly insulated building with additional insulation, garage door replacement, and closing off unused garage door.	Kenai
26	Natural Resources	Upgrade Electrical Service Entrance to DNR Fairbanks Compound	110.0	Upgrade electrical switches, panels, and emergency power at utility's entrance into DNR facility.	Fairbanks
27	Natural Resources	Ekuk School Assessment	18.0	Remove underground storage tank, sample soils for contamination, and assess the building for asbestos and other hazardous materials.	Ekuk
28	Natural Resources	Aniak Lake Building Removal	10.0	Removal of building and disposal of materials.	Aniak Lake
29	Natural Resources	State Parks Priority 1 deferred maintenance projects	2,000.0	Projects required for emergency repairs, public safety, and code compliance. These funds will be used as match funds to obtain an additional \$2 million in federal funds. (4000.0)	Statewide
<b>Department Total</b>			<b>3,966.5</b>		
1	Public Safety	Soldotna Public Safety Building Roof Repair	220.0	Roof is 20 years old and has been damaged by lack of maintenance and heavy snowfalls.	Soldotna
2	Public Safety	Fairbanks Public Safety Building Roof Replacement	1,019.0	Roof had deteriorated beyond the point of repair and requires replacement to avoid water leaks.	Soldotna
3	Public Safety	Statewide Deferred Maintenance	369.2	Priority deferred maintenance items at Public Safety facilities statewide.	Statewide
4	Public Safety	Fairbanks Public Safety Building - HVAC System	100.0	Survey, modify and repair the HVAC system throughout the Fairbanks facility.	Fairbanks
5	Public Safety	Soldotna Public Safety Building - Gas Line Relocation	6.0	Relocate gas line around garage to meet code.	Soldotna
6	Public Safety	King Salmon Facility Repairs	44.0	Repair foundation cracks, repair entranceway roof, modify interior to accommodate a secure evidence room, repair water & sewer problems, paint and plaster walls.	King Salmon
7	Public Safety	Coldfoot Housing Unit #460 Fuel Tank	5.5	Replacement with double walled heating fuel tank.	Coldfoot
8	Public Safety	Coldfoot Hangar Fuel Tank	5.5	Replacement with double walled heating fuel tank.	Coldfoot
9	Public Safety	Dillingham Housing Unit #405 and #413 Fuel Tanks	11.0	Replacement with double walled heating fuel tank.	Dillingham
10	Public Safety	Nenana Housing Unit #452 Fuel Tank	5.0	Replacement with double walled heating fuel tank.	Nenana
11	Public Safety	Bethel Hangar Repairs and Renovations	225.0	Roof repairs, repair damaged concrete floor, provide arctic entrance area, weatherproofing, ceiling and wall insulation, elevated water storage.	Bethel
12	Public Safety	Cordova Warehouse Roof Replacement	15.0	Roof replacement for the Cordova warehouse.	Cordova
13	Public Safety	Fairbanks Public Safety Building - Repair Facility Exterior	20.0	Power wash and repair exterior metal surface of the facility.	Fairbanks
14	Public Safety	Tudor Road Complex - Painting and Lighting	27.5	Lighting modifications and painting to the exterior of the facility.	Anchorage

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description Total cost is in parentheses if other funds will be included.	Location
	15	Public Safety	Fairbanks Public Safety Building - Evidence Annex Structure	30.0	Weatherize and install concrete floor in evidence annex structure.	Fairbanks
	16	Public Safety	Rural Trooper Housing	20.0	Maintenance of Rural Trooper Housing between occupants such as boiler maintenance, plumbing repairs and painting.	Statewide
	17	Public Safety	Soldotna Public Safety Building - Renovations & Repairs	19.6	Renovate evidence and squad room to better utilize space, reconstruct / repair telephone and computer room.	Soldotna
	18	Public Safety	Yakutat Public Safety Office Repairs	5.0	Repair entrance concrete base, replace interior floor tiles, and paint facility.	Yakutat
<b>Department Total</b>				<b>2,147.3</b>		
	1	Transportation and Public Facilities (DOT/PF) -SE	Court & Office Building Roof Replacement	120.0	The 25 year-old building roof is deteriorated and has active leaks. This will augment previous CIP funding for the full State share of this joint State/City & Borough of Sitka project.	Sitka
	2	DOT/PF-CE	Materials Lab Relocate/Upgrade Transformer	145.0	Transformer is located in driveway and has been hit previously.	Anchorage
	3	DOT/PF-NR	Peger Primary Power Phase II	143.0	Repair, replace and expand the electrical distribution system at the Fairbanks Peger Rd Complex	Fairbanks
	4	DOT/PF-SE	DOT&PF Southeast Regional Complex Roof Replacement	520.0	The roof membrane/insulation system is near failure and should be replaced to prevent future damage to building interior and contents.	Juneau
	5	DOT/PF-NR	Cover State Bldg. Exterior Wall Surfaces & Install New Windows	600.0	Apply covering to exterior wall surfaces, minus the doors and windows, and insulation of windows with a minimum of double thermal.	Nome
	6	DOT/PF-SE	DOT&PF Maintenance Station Roof Replacement	80.0	Roof on the facility is 30+ years old and is failing; project will replace BUR and metal roofing systems.	Ketchikan
	7	DOT/PF-CE	Oil and Gas Building Renovation/Rehabilitation	3,000.0	Renovate/rehabilitate state-owned building to allow Measurement Standards/Commercial Vehicle enforcement to move from leased property. Structural integrity of the building is sound but deferred maintenance funding is needed to preserve the building and prepare for long-term occupancy. (Other funds are federal FHWA - ITS funding) (4,000.0)	Anchorage
	8	DOT/PF-CE	Regional Office Bldg. Repairs to Roof, Siding & Windows	397.6	Existing windows and exterior siding leak causing damage to interior ceilings and walls.	Kodiak
	9	DOT/PF-SE	DOT&PF Maintenance Station Door Replacement	45.0	To replace four deteriorated and partially inoperative sliding metal doors on unheated utility building and two worn-out vehicle doors on main building.	Ketchikan
	10	DOT/PF-NR	Valdez Combined Facility Roof Repair	250.0	The Valdez Combined Facility is badly in need of complete replacement of membrane roofing and insulation.	Valdez Station
	11	DOT/PF-SE	Court & Office Building HVAC System Survey	40.0	The building's mechanical system provides poor ventilation and inadequate temperature control in many areas of the building. This will fund the State share of an engineering survey to determine project scope and cost of HVAC system upgrades and repairs.	Sitka
	12	DOT/PF-NR	HVAC System/Supply Building	300.0	Convert building from electric to oil-fired hydronic heat. Air handling system for office portion of structure.	Fairbanks
	13	DOT/PF-CE	Boney Court Bldg. Fire/Life Safety/Electrical Code Upgrades	452.5	Existing building has several mechanical/electrical/fire safety code violations, all of which were noted in previous engineers report.	Anchorage
	14	DOT/PF-CE	Aviation Drive Bldg. Fire Alarm and Sprinklers	157.6	Existing systems do not meet fire codes.	Anchorage
	15	DOT/PF-CE	Courthouse Life Safety/Energy/Fire/Mechanical Code Upgrades	337.0	Existing building does not meet fire/OSHA codes.	Kodiak
	16	DOT/PF-NR	Re-side Shop Exterior	75.0	Re-side Shop Exterior.	Healy
	17	DOT/PF-CE	Central Region Install Oil/Water separators	210.0	Shops do not meet existing DEC and EPA regulations for floor drains.	Region Wide
	18	DOT/PF-NR	HVAC System Complete Conversion/Maintenance Building	240.0	Install Air handling system for office portion of structure. Convert building from electric to oil-fired hydronic heat.	Fairbanks
	19	DOT/PF-CE	Administrative Buildings Central Region Duct Systems and Air Flow Rebalance	262.4	Clean ducts and rebalance fans in several office buildings throughout Central Region. This has never been done since the buildings were built and, in some instances, complaints of unhealthy air have been received.	Region Wide
	20	DOT/PF-NR	New Roof for SEF Shop/Offices	230.0	Remove the old deteriorated roof and install a new energy efficient roof.	Fairbanks
	21	DOT/PF-CE	Griffin Building Major Repairs	500.0	Basement foundation walls leak, wood windows are rotten, roof leaks, needs replacement.	Kodiak
	22	DOT/PF-CE	Boney Court Bldg. Seal Windows	50.0	Windows and exterior walls leak, causing damage to interior walls and ceiling tiles.	Anchorage
	23	DOT/PF-NR	Fur Out Exterior Walls & Re-side with Metal	85.0	Fur out exterior walls & re-side with metal.	Central
	24	DOT/PF-NR	Hydronic Heat Conversion and Air Filtering System/Admin Bldg.	325.0	Convert building preheat coils from electric to oil-fired hydronic.	Fairbanks
	25	DOT/PF-CE	Boney Court Bldg. Structural Safety Issues	30.0	Several structural problems noted in previous engineers report.	Anchorage
	26	DOT/PF-CE	Storage Building Install Drain System & Seal Concrete Roof	150.0	Roof is leaking; water is running down interior walls close to electrical panel.	Dutch Harbor
	27	DOT/PF-NR	Install Oil Water Separator	56.0	Install oil/water separator and oil collection system.	Montana Creek
	28	DOT/PF-CE	Annex Bldg. Upgrade Electrical	100.0	Existing system overloaded.	Anchorage

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description	Location
					Total cost is in parentheses if other funds will be included.	
	29	DOT/PF-NR	Combined Facility Roof Replacement	130.0	Design and construction of a new roof for the facility.	Ft. Yukon
	30	DOT/PF-CE	Building Maintenance Upgraded To Meet Fire Code	24.0	Existing building does not meet fire code.	Anchorage
	31	DOT/PF-NR	Jim River Overhead Doors	60.0	Install nine energy efficient overhead doors in the shop	Jim River
	32	DOT/PF-CE	Communications Bldg. Repair Hydrant	12.0	Water line broke below hydrant.	Anchorage
	33	DOT/PF-CE	Communications Update Fire & Mechanical Codes	150.0	Existing building does not meet fire code.	Anchorage
	34	DOT/PF-NR	Shop Overhead Doors	100.0	Replace damaged and worn overhead doors.	Galena
	35	DOT/PF-CE	Parking Garage (at Boney Court) Replace Worn Parking Gates and Rusted Stair Supports	7.5	Structural steel stairs are rusted beyond repair; gate mechanisms worn out.	Anchorage
	36	DOT/PF-NR	Rebuild Battery Room to Code/SEF Bldg.	15.0	Rebuild battery room to code - SEF Bldg.	Fairbanks
	37	DOT/PF-CE	Main Finance Shops Encapsulate or Remove Asbestos	110.0	Several shops have water pipes with asbestos which needs to be encapsulated or removed.	Region Wide
	38	DOT/PF-NR	Plug-in Hotline/SEF Building	85.0	This project will include a survey of electrical needs and a redesign of the electrical system. Electrical 120/208 volt capac.	Fairbanks
	39	DOT/PF-CE	Maintenance Shop Overhead Cranes Replacement	200.0	Some cranes need to be replaced due to age. Some shops need cranes added. Operators are using loaders in place of needed cranes. - Kodiak, Aniak, Girdwood, Bethel	Region Wide
	40	DOT/PF-NR	Replace Interior Lights	8.0	Replace interior lights.	Galena
	41	DOT/PF-CE	Structural Repairs	350.0	Buildings have structural damage due to corrosion and equipment operator's errors.	Region Wide
	42	DOT/PF-NR	Replace Furnace	15.0	This project will replace the furnace in the Nelchina Shop.	Nelchina
	43	DOT/PF-CE	Old Courthouse Roof	204.0	Roof leaks and insulation is saturated, has caused interior damage. (Original roof-1974)	Kenai
	44	DOT/PF-NR	Replace Deteriorated Shop Roof	50.0	This project will fund the replacement of the roof on the Nelchina Shop.	Nelchina
	45	DOT/PF-CE	Public Safety Bldg. Update Fire & Mechanical Codes	285.0	Existing building does not meet fire codes.	Anchorage
	46	DOT/PF-NR	Shop Doors	35.0	Replace damaged and worn shop doors with new energy efficient doors.	Healy
	47	DOT/PF-CE	SEF Building Replace Unit Heaters	12.0	Some unit heaters have cracked heat exchangers and are not being used.	Anchorage
	48	DOT/PF-NR	Overhead door for Airport Shop	20.0	Replace damaged and worn overhead door for Airport Shop with larger energy efficient door (to allow bigger equipment in).	Nome
	49	DOT/PF-CE	Public Safety Bldg. Replace/Add VAV Boxes	12.8	Several VAV boxes need to be replaced or added due to changes in the building.	Anchorage
	50	DOT/PF-NR	Overhead Doors	24.0	Replace four overhead doors at Paxson DOT maintenance station.	Paxson
	51	DOT/PF-CE	Kalsin Bay Roof Replacement	37.5	Existing metal roof needs replacement due to leaks and delaminating roof material.	Kalsin Bay
	52	DOT/PF-NR	Relevel Airport Bldg.	8.0	Relevel structure.	St Marys
	53	DOT/PF-CE	Aviation Dr. Bldg Upgrade Electrical	50.0	Existing system overloaded.	Anchorage
	54	DOT/PF-NR	Thompson Pass Shop Floor and Heating System Repairs	85.0	This project will replace the floor and heating system at the Thompson Pass shop.	Thompson Pass
	55	DOT/PF-CE	Cooper Bldg. Repair Roof	42.0	Roof is leaking causing damage to structural members and creating health and safety issues.	Homer
	56	DOT/PF-NR	Upgrade Admin Building HVAC Controls to Direct Digital Control (DDC)	75.0	Convert all controls in the building from pneumatic to direct digital controls.	Fairbanks
	57	DOT/PF-SE	Court & Office Building HVAC System Repairs	180.0	Convert entire building's pneumatic controls to direct digital: clean ducts and rebalance system	Ketchikan
	58	DOT/PF-CE	Old Shop Repair Roof	68.0	Roof has been foamed and is leaking and is becoming wet and heavy, may cause future load problems.	Bethel
	59	DOT/PF-CE	Aviation Dr. Building Entry Way Grate Replacement	5.2	Entry grating is coming apart and causing a safety hazard.	Anchorage
	60	DOT/PF-CE	Aviation Dr. Building Interior Stairs	19.5	Existing steps do not meet building code and are a safety hazard.	Anchorage
	61	DOT/PF-SE	Court & Office Building Interior Finish Repairs	140.0	Repair worn and damaged interior wall and ceiling finishes; replace worn carpet in corridors (is a safety hazard).	Ketchikan
	62	DOT/PF-NR	Equipment Shop Roof Repairs	75.0	This project will replace the insulation and metal roofing on the Cordova Shop.	Cordova
	63	DOT/PF-CE	Boney Court Bldg. Replace Deteriorated Vinyl and Carpet; 75% of Bldg.	375.0	Frayed and torn carpet and vinyl needs to be replaced due to age; is a safety hazard.	Anchorage
	64	DOT/PF-NR	Replace Boiler / Hot Water System	8.0	Replace water storage tank with new pressurized tank, replace well pump, and install glycol boiler feed system.	Delta
	65	DOT/PF-SE	Court & Office Building Fuel Oil Piping Repairs	10.0	Replace defective/leaking fuel oil piping from tank to boilers	Ketchikan
	66	DOT/PF-NR	Combined Facility Heating/Cooling system upgrade	100.0	Upgrade for heating/cooling system.	Tok
	67	DOT/PF-NR	Overhead Doors	24.0	Replace four damaged and worn overhead doors at Nelchina DOT maintenance station.	Nelchina
	68	DOT/PF-CE	Materials Lab Replace Contaminated Carpet, Ceiling Tile and Insulation	20.4	Due to previously leaking roof, these items were damaged and are now moldy.	Anchorage
	69	DOT/PF-NR	Shop Overhead doors	25.0	Replace damaged and worn overhead doors with new Arctic insulated doors with electric operators.	Northway
	70	DOT/PF-CE	Parking Garage (at Boney Court) Replace Roof Deck Material	45.0	Decking is leaking, causing severe structural damage.	Anchorage

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept. Priority	Department	Project Title	Bond Amount (\$000)	Project Description	Location
71	DOT/PF-NR	Install new thermopane PVC windows/ SEF	60.0	Install new thermopane PVC windows.	Nome
72	DOT/PF-SE	Court & Office Building Fire Alarm Panel Replacement	30.0	Replace obsolescent and difficult-to-maintain fire alarm panel	Ketchikan
73	DOT/PF-CE	Tudor Rd. Complex Replace & Upgrade Water Gate Valves	100.0	Existing valves do not operate properly and cannot shut off water.	Anchorage
74	DOT/PF-NR	Shop Exterior Painting	10.0	Shop exterior painting.	Earnestine
75	DOT/PF-NR	Nome--Install new entryway doors, hardware, closers, and weather stripping / State Building	20.0	Install new insulated, thermopane, entryway doors, hardware, closers, and weather stripping.	Nome
76	DOT/PF-CE	Overhead Doors Replacement	64.0	Several locations needs overhead doors replaced due to wind damage, operator error, and age.	Region Wide
77	DOT/PF-NR	Upgrade Exhaust System to Code	75.0	This project funds the upgrading of the exhaust system at Chitina.	Chitina
78	DOT/PF-SE	Maintenance Station Heating Fuel Tank Replacement	35.0	Replace underground heating oil tank with new double-wall tank and code piping. (Facility is now being served with a temporary above-ground tank.)	Ketchikan
79	DOT/PF-CE	Maintenance Shop Repair Floor Hoists	107.0	Several floor hoists have leaked underground, need to be replaced with above ground hoists. Chulitna, Anchorage, Bethel, Palmer	Region Wide
80	DOT/PF-NR	Replace Equip Shop Overhead Doors	35.0	Replace 30 yr. old bifold doors.	Valdez
81	DOT/PF-SE	Maintenance Station Vehicle Hoist Replacement	40.0	Replace existing worn-out hydraulic vehicle hoist with above-ground type. This will also eliminate a potential oil pollution hazard	Ketchikan
82	DOT/PF-CE	Maintenance Shops Upgrade Welding Exhaust Systems	127.0	Current systems do not meet code. Anchorage, Palmer, Cascade, Chulitna, Aniak, Bethel, McGrath	Region Wide
83	DOT/PF-NR	Upgrade Vehicle Exhaust System	10.0	Upgrade vehicle exhaust.	Birch Lake
84	DOT/PF-CE	Maintenance Shops/Weigh Stations Water Filtration/ Treatment	60.0	Several shops have bad water and do not meet requirements for potable water. Need treatment of new wells drilled. Willow, Silverlip, Glenn In, Glenn Out, Polter & Sterling Weigh Stations	Region Wide
85	DOT/PF-NR	Upgrade Vehicle Exhaust System	15.0	Upgrade vehicle exhaust	Cantwell
86	DOT/PF-NR	Upgrade Shop Exhaust System	7.5	Upgrade shop exhaust.	Central
87	DOT/PF-CE	Old ARFF Building - Demolish	200.0	This building has been replaced, old one needs to be torn down, is a safety issue due debris blowing on runway.	Cold Bay
88	DOT/PF-NR	Upgrade Propane Fill Facility	16.0	Upgrade propane fill facility.	Chandalar
89	DOT/PF-CE	Warm Storage Repair Roof	24.0	Roof is metal and needs coating applied due to rust and minor damage	Cold Bay
90	DOT/PF-NR	Shop Roof Repairs	60.0	This project will replace the insulation and metal roofing on the Valdez equipment shop.	Valdez
91	DOT/PF-CE	Maintenance Shop Repair Roof	22.0	Roof is blistered and checked badly; needs recoat.	Ninilchik
92	DOT/PF-NR	Replace Roof on Soils Lab Building	35.0	This project will fund the replacement of the roof at the Valdez soils lab building.	Valdez
93	DOT/PF-CE	Annex Replace Water Lines With Copper	75.0	Existing galvanized piping is deteriorating, causing leaks.	Anchorage
94	DOT/PF-NR	Upgrade Exhaust System to Existing Code	10.0	This project will fund the replacement of the exhaust system in the shop.	Nelchina
95	DOT/PF-CE	Aviation Dr. Bldg. Repair Sidewalks	25.0	Concrete is spalled in several areas; needs repair.	Anchorage
96	DOT/PF-NR	Upgrade Vehicle Exhaust	10.0	Upgrade vehicle exhaust	Manley
97	DOT/PF-CE	HQ Materials Lab Replace Water Lines With Copper	6.0	Existing galvanized piping is leaking, causing damage to walls and ceilings.	Anchorage
98	DOT/PF-NR	Upgrade Shop Exhaust	10.0	Upgrade shop exhaust.	Livengood
99	DOT/PF-CE	Parking Garage (at Boney Court) Upgrade Lighting	17.0	Poor lighting, fixtures have become corroded in high moisture areas.	Anchorage
100	DOT/PF-NR	Upgrade Shop Exhaust	8.0	Upgrade shop exhaust.	Healy
101	DOT/PF-CE	Public Safety Bldg. Remove & Replace Boiler	38.8	Boiler is beyond life expectancy span.	Anchorage
102	DOT/PF-NR	Oil Water Separator (new) at cathouse	50.0	Install oil/water separator and oil collection system.	Fairbanks
103	DOT/PF-NR	Shop Floor Drain and Oil Water Separator Upgrade	45.0	Upgrade floor drain.	Cantwell
104	DOT/PF-CE	Public Safety Bldg. Replace Water Lines With Copper	70.0	Existing galvanized piping is deteriorating, causing leaks.	Anchorage
105	DOT/PF-NR	Install Oil Separator and Install Septic Tank	41.0	Install oil/water separator and oil collection system.	Birch Lake
106	DOT/PF-CE	Maintenance Shop Repair Roof	30.0	Metal roof is leaking; needs to be replaced.	Aniak
107	DOT/PF-NR	Install Oil Separator & New Leach Field	45.0	Install oil/water separator and oil collection system.	Central
108	DOT/PF-CE	Maintenance Shop Repair Lighting	11.1	Light fixtures outdated, need replacing.	Bethel
109	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Cordova
110	DOT/PF-CE	Employee Housing Repair Siding	45.0	Existing aluminum siding is wind damaged.	Cold Bay
111	DOT/PF-NR	Oil/Water Separator System	35.0	Install oil/water separator and oil collection system.	Delta
112	DOT/PF-CE	Station Bldg. Repair Roof	31.0	Roof needs recoating, checked and blistered severely.	Girdwood
113	DOT/PF-NR	Oil/Water Separator System Install	35.0	Install oil/water separator and oil collection system.	Eagle

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Priority	Department	Project Title	Bond Amount (\$000)	Project Description	Location
					Total cost is in parentheses if other funds will be included.	
	114	DOT/PF-CE	Maintenance Shops Install Above Ground Heat Fuel Tank	269.3	Due to age, tanks should be replaced with AST before potential leaks occur.	Region Wide
	115	DOT/PF-NR	Overhead Doors in shop	60.0	Install nine energy efficient overhead doors in the shop	Sag River
	116	DOT/PF-CE	Maintenance Shop Repair Septic Systems	150.0	Several locations require having septic tanks pumped too frequently. Girdwood, Bethel, Homer	Region Wide
	117	DOT/PF-NR	Install Oil Water Separator	45.0	Install oil water separator and oil collection system.	Healy
	118	DOT/PF-CE	Maintenance Shops Upgrade Ready Line	110.0	Due to updated code requirements and higher wattage heaters being added to equipment, ready lines need upgrading. Homer, Kodiak, Seward, N. Kenai, Aniak, Bethel	Region Wide
	119	DOT/PF-NR	Purchase Generator	40.0	Purchase a Cummins L-10 generator	Coldfoot
	120	DOT/PF-CE	Maintenance Shop Repair Windows	24.0	Several locations have broken and rotten windows, need replaced. Bethel, Kalsin Bay, Kodiak, Seward, Dutch Harbor, Talkeetna	Region Wide
	121	DOT/PF-NR	Install Oil Separator	44.0	Install oil water separator and oil collection system.	Manley
	122	DOT/PF-CE	Maintenance Shops Replace Personnel Door	16.6	Several locations have rusting metal doors or delaminating wood doors, needs to be replaced.	Region Wide
	123	DOT/PF-CE	Maintenance Shop Replace & Protect Windows	2.2	Snow falling from the roof is continuously damaging windows. Need to correct problem.	Silvertip
	124	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Neichina
	125	DOT/PF-NR	oil/water separator system install	45.0	Install oil/water separator and oil collection system.	Northway
	126	DOT/PF-NR	oil/water separator system install	35.0	Install oil/water separator and oil collection system.	O'Brien Crk
	127	DOT/PF-NR	Rework Exhaust System to Code	75.0	This project will install a ventilation system in the shop to minimize pollution from diesel fumes.	Paxson
	128	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Paxson
	129	DOT/PF-NR	Upgrade Propane Fill Facility	12.0	Upgrade propane fill facility.	Juneau 7-Mile
	130	DOT/PF-NR	Upgrade Exhaust System	10.0	This project will fund the upgrade of the Slana shop exhaust system.	Slana
	131	DOT/PF-NR	Replace Heating Fuel Tank	30.0	This project will replace the heating fuel tank at the Slana shop.	Slana
	132	DOT/PF-CE	SEF Building Install back-up Power Generator	87.1	Shop needs backup generator.	Anchorage
	133	DOT/PF-NR	Replace Generator Fuel Tank	30.0	This project will fund replacement of generator fuel tank at Slana.	Slana
	134	DOT/PF-CE	Shop - Demolish	100.0	Building replaced; this shop needs to be torn down due to safety and environmental concerns.	Moose Pass
	135	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Slana
	136	DOT/PF-NR	Install oil/water separator system	35.0	Install oil/water separator and oil collector system.	South Fork
	137	DOT/PF-NR	Install Oil/Water Separator System	35.0	Install oil/water separator system oil collection system.	Tok
	138	DOT/PF-NR	Replace Shop Heating Tank	10.0	Replace shop heating tank.	Tok
	139	DOT/PF-CE	Maintenance Shop Replace Compressor	25.0	Several shops needs new compressors, due to age. Seward, Willow, N. Kenai, Palmer, McGrath	Region Wide
	140	DOT/PF-NR	Install oil/water separator system	45.0	Install oil/water separator and oil collection system.	Trims
	141	DOT/PF-CE	Aviation Dr. Bldg. Paint Exterior	25.0	Paint is peeling and blistering on building, needs paint.	Anchorage
	142	DOT/PF-NR	Combined Facility Heating Oil Tank Replacement	50.0	Heating oil tank replacement.	Valdez
	143	DOT/PF-CE	Aviation Dr. Replace Tile Wainscots/Restroom	26.4	Bathroom wall vinyl needs replaced due to tearing - tiles are loose.	Anchorage
	144	DOT/PF-NR	Install Oil Water Separator/ Equip Shop	35.0	Install oil water separator and oil collection system.	Valdez
	145	DOT/PF-CE	Communications Bldg. Replace Air Conditioning Unit	100.0	Existing unit is beyond repair (original in 1975).	Anchorage
	146	DOT/PF-NR	Exhaust System Replacement to Code	75.0	This project will fund the replacement of the exhaust system in the shop.	Valdez
	147	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Valdez
	148	DOT/PF-NR	Exhaust System Replacement to Code	75.0	This project will fund the replacement of the exhaust system in the shop.	Valdez
	149	DOT/PF-CE	Combined Facility Paint Exterior	22.2	Exterior is peeling, needs paint.	Bethel
	150	DOT/PF-NR	Replace Septic System to Code	20.0	This project will replace the septic system at Tazlina.	Tazlina
	151	DOT/PF-CE	Tudor Rd. Complex Replace Plywood Fascia & Paint	50.0	Replace rotting plywood and paint remaining.	Anchorage
	152	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Tazlina
	153	DOT/PF-NR	Install Oil Water Separator	35.0	Install oil water separator and oil collection system.	Thompson Pass
	154	DOT/PF-NR	Exhaust System Replacement to Code	75.0	This project will fund the replacement of the exhaust at the Thompson Pass shop.	Thompson Pass
	155	DOT/PF-NR	Upgrade Electrical Service	75.0	Upgrade electrical service wiring.	Cantwell
	156	DOT/PF-SE	Sheldon Jackson Museum HVAC System Survey	20.0	Determine repairs required to improve heating and ventilation.	Sitka
	157	DOT/PF-SE	Sheldon Jackson Museum Repairs	62.0	Priority deferred maintenance and repairs.	Sitka
	<b>Department Total</b>			<b>10,564.2</b>		

Proposed Certificates of Participation for Deferred Maintenance, Replacement and Expansion of State Facilities

Dept.	Department	Project Title	Bond Amount (\$000)	Project Description	Location
	University	University Deferred Maintenance	5,500.0	Total cost is in parentheses if other funds will be included. Highest priority safety, renewal and replacement, code compliance, deferred maintenance, and renovations. (5730.0)	Primarily Fairbanks
	University	University ADA Compliance	2,500.0	Improve access to University facilities for disabled Alaskans.	Primarily Fairbanks
	Governor's Office	State Agency ADA Compliance (Statewide projects)	2,500.0	Improve access to state facilities for disabled Alaskans.	Statewide
1	Alaska Court System	Court System Deferred Maintenance	2,000.0	Priority deferred maintenance and renovation projects.	Statewide
2	Alaska Court System	Statewide Reno - Costs	1,335.0	Renovation projects to increase staff efficiency, improve access for the public, and increase efficiency of conducting court business.	Statewide
3	Alaska Court System	Statewide Court Building Code and Energy Upgrades	400.0	Correct building code deficiencies and reduce utility bills for court facilities.	Statewide
<b>Facility Replacement or Expansion Projects</b>					
	Administration	Veterans' Housing	4,000.0	Construct housing for Alaska veterans requiring an assisted living situation. (Detailed project information is available on the OMB website under the bond section). (10,000.0)	Other
	DMVA	Juneau National Guard Readiness Center/UAS Joint Facility	5,470.0	Construction of a joint facility to be used by the National Guard and the University of Alaska Southeast. (Detailed project information is available on the OMB website under the bond section).	Juneau
	Public Safety	Ketchikan Facility Replacement	3,436.0	The current public safety facility in Ketchikan must be replaced to adequately accommodate troopers and other public safety staff.	Ketchikan
	Public Safety	Aircraft Hangar Construction	5,479.1	Hangars are needed to reduce ongoing aircraft maintenance costs and improve response time in winter.	Anchorage, Juneau
	Health & Social Services.	Nome Youth Facility Renovation & Expansion	3,500.0	Project is to completely renovate the existing Nome Youth Facility. Marginal original construction, exacerbated by the harsh arctic climate, has left the structure in need of complete renovation. Also, the bed capacity will be increased from 6 to 10.	Nome
	Education	State Museum Land Acquisition/Expansion Planning	1,950.0	Acquire property for museum expansion and conduct initial expansion planning. (Detailed project information is available on the OMB website under the bond section). (2,450.0)	Juneau
	<b>TOTAL</b>		<b>135,604.7</b>		