State of Alaska Office of Management and Budget

Senate Finance Committee
FY2021 Deferred Maintenance Update
March 5, 2020

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Deferred Maintenance: Overview

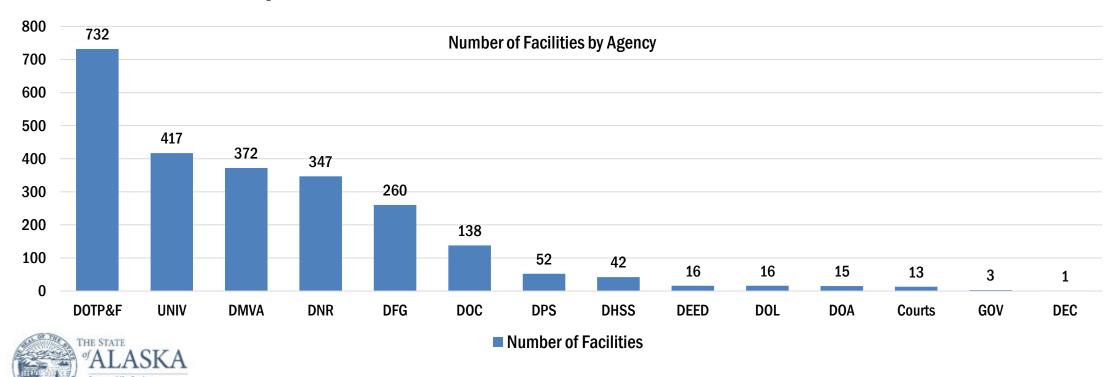
Deferred maintenance is maintenance or repair projects that have been delayed or postponed due to lack of funds within an entity's normal operating budget cycle.

Maintenance and repairs are activities that keep assets in safe, effective, working condition.

Postponing needed repairs could lead to asset deterioration and ultimately asset impairment. Generally, a policy of continued deferred maintenance may result in higher costs, asset failure, and in some cases, health and safety implications.

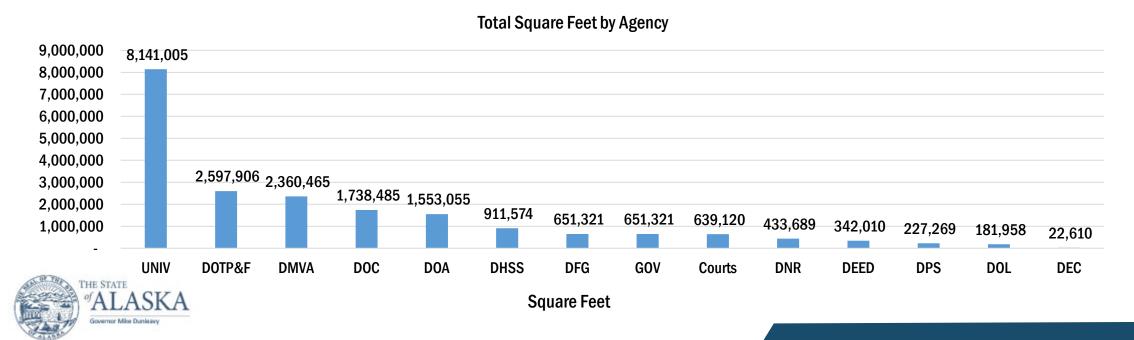
Deferred Maintenance: State Owned Facilities

- 2,400+ facilities
- 14 entities
- 20 million square feet of space
- \$9.7 billion replacement value



Deferred Maintenance: Facility Types

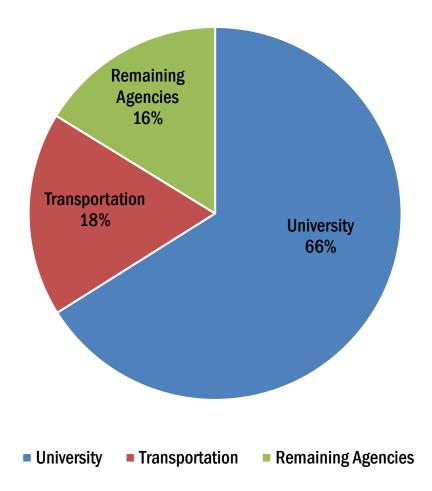
- Types of facilities vary by entity
- UA manages classroom, laboratory, research, residential, and office space
- DOA manages general office space
- > DOC and DHSS both manage 24 hour facilities
- DMVA manages military and other facilities and statewide armories
- > DNR oversees park service cabins, shelters, fire suppression and preparedness shops



Deferred Maintenance: Statewide Backlog \$1.9 Billion

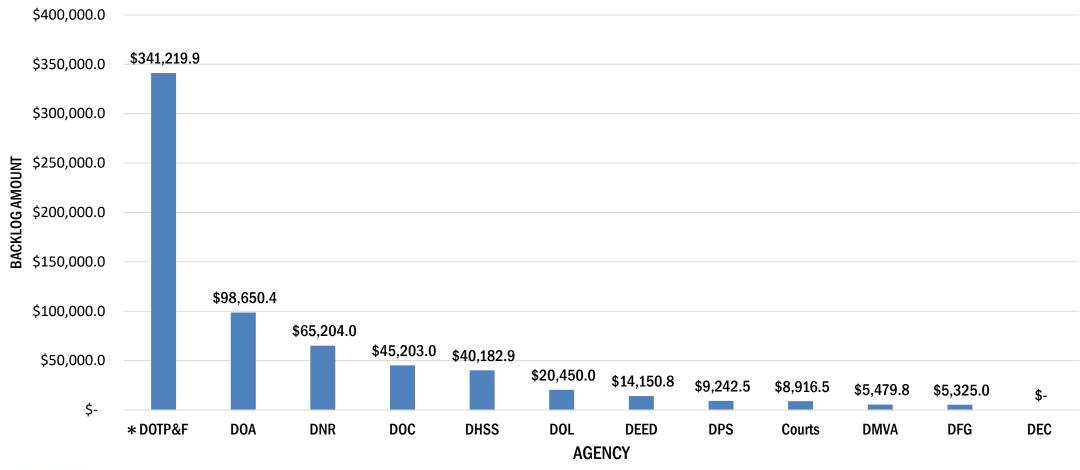
Deferred maintenance backlog:

- University of Alaska \$1.3 billion
- Department of Transportation and Public Facilities \$341 million
- All other agencies total \$313 million





Deferred Maintenance: Backlog \$803,011.1 (excluding University \$1.3 billion)





*DOTP&F includes facilities, highways, aviation, harbors, and marine highway.

Centralized Analysis, Recommendation and Approval

- Created the Executive Facilities Maintenance Advisory Committee and the State Facilities Council
- Created the Division of Facilities Services within the Department of Transportation and Public Facilities
- Started Statewide Deferred Maintenance Appropriations



Deferred Maintenance: Statewide Appropriation Status

		2018		2019	2020
Agency		Amount		Amount	Amount
Administration	\$	5,140.0	\$	1,750.0	\$ 6,433.0
Corrections	\$	5,414.0	\$	4,080.0	\$ 2,265.0
Courts	\$	-	\$	193.0	\$ 1,594.2
Education & Early Development	\$	601.5	\$	691.0	\$ 3,531.0
Environmental Conservation	\$	-	\$	420.0	\$ 600.0
Fish & Game	\$	150.0	\$	500.0	\$ 1,560.1
Health & Social Services	\$	2,450.0	\$	1,567.0	\$ 1,178.1
Labor & Workforce Development	\$	1,000.0	\$	1,350.0	\$ 575.0
Military & Veterans Affairs	\$	1,020.0	\$	625.0	\$ 862.9
Natural Resources	\$	3,820.0	\$	650.0	\$ 1,055.0
Public Safety	\$	-	\$	900.0	\$ 4,887.0
Transportation & Public Facilities	\$	404.5	\$	4,778.5	\$ 5,955.4
University	\$	-	\$	3,000.0	\$
Hold for Emergent Needs	\$	-	\$	-	\$ 1,203.3
TOTAL	\$:	20,000.0	\$:	20,504.5	\$ 31,700.0

Deferred Maintenance: Governor's Proposed Budget

- FY2021 Deferred Maintenance: \$37.5 million
 - Statewide Deferred Maintenance: \$30.0 million DGF (Capital Income Fund)
 - Department of Administration: \$5.9 million Other (Public Building Fund)
 - Courts: \$1.6 million DGF (Capital Income Fund)



FY2021 Deferred Maintenance - Division of Facilities Services



Deferred Maintenance: Statewide Approach

Deferred Maintenance moving forward into FY2021

- Collaborating with OMB and the State Facilities Council
- Prioritizing deferred maintenance projects across all executive branch agencies, including the University
- Facilities Council deferred maintenance workshops currently in-progress, with goal of submitting Statewide prioritized list to OMB by the end of April 2020
- The Basic Approach projects are being prioritized based on a combination of relevant factors to create a Project Index Value (PIV)



Deferred Maintenance: Statewide Approach – the Basics

 Project prioritization a combination of the below to create a Project Index Value (PIV):

- MAI Mission Alignment Index, alignment of facility to an Agency's mission
- System Factor Scale related to various building systems and their impact on building
- Need The urgency
- If known, other attributes are also shared such as anticipated return on investments, any matching funds, or eligibility as a financed energy savings performance project



<u>Deferred Maintenance: Statewide Approach – Example</u>

Illustrative Example

Project Title	Project Description	Project Cost
Electrical System	Existing electrical system is unsafe in its current configuration. Transformers need to be relocated to outside of building for the safety of its occupants. In addition, this agency's critical headquarters facility needs backup power in case of electrical outages. This upgrade will remedy an unsafe situation and provide much needed redundant power.	\$650.0

- Mission Alignment Index Agency's Building is crucial facility for it's mission, MAI = 0.85
- System Electrical Transformer/Power => 0.74
- Need Corrects code condition and safety hazard => 5

MAI		System		Need	PIV
(0.85)	Х	(0.74)	Х	(5)	3.15



<u>Deferred Maintenance: Statewide Approach – Example</u>

- Illustrative Example Values Applying across all projects all agencies
 - Projects for illustrative purposes only

Dept	Building	Mission Alignment Index (0-0.9)	Project Title	Project Description	System Factor	Need (5-4-3)	Project Index Value	Project Cost	Anticated ROI (If known/applicable)	Any Matching % Funds (if applicable: Fed, Grants)	Potential for Financed ESPC (Y/N)
		0.05			0.71	5.0		4050 8			
DEPI. D	Building Name	0.85	Office Building - Upgrade Electrical System	Existing electrical system is unsafe in its current configuration. Transformers need to be relocated to outside of building for the safety of its occupants. In addition, this critical facility needs backup power in case of electrical outages. This upgrade will remedy an unsafe situation and provide much needed redundant power.	0.74	5.0	3.15	\$650.0	N/A	50%	
DEPT. C	Building Name	0.8	Maintenance Station - Replace Siding	Existing siding is deteriorated and leaks, windows are inefficient and allow tremendous heat loss. Siding panels have become loose and can no longer be secured thus creating a wind blown hazard to surroundings.	0.75	5.0	3.00	\$550.0	0-5%	N/A	Yes
DEPT. A	Building Name	0.9	Shop Trench Drain	Remove and replace existing trench drain. The existing concrete and steel has become extremely corroded and is a tripping hazard in numerous places along the grating. Eventually, it will deteriorate and fail to support equipment.	0.60	5.0	2.70	\$50.0	N/A		
DEPT. A	Building Name	0.75	Example School Building - Exterior Repairs	Replace roofing, repair siding, replace corroded exterior electrical switch boxes.	0.74	4.0	2.22	\$100.0			
DEPT. E	Building Name	0.9	Hangar Siding Replacement	Building siding is corroding and needs to be replaced. Failing overhead doors also need replacement.	0.60	4.0	2.16	\$500.0			
DEPT. B	Building Name	0.85	Office/Parking Garage-Repair Cracks	Repair expansion joint and crack leaks on certain levels	0.60	4.0	2.04	\$152.3			
DEPT. D	Building Name	0.9	Office Building - Generator Replacement	Remove current emergency generator, and replace with 1000Kwh unit to add building data centers	0.74	3.0	1.998	\$1,000.0			





Property Disposal Directive: Update

- February 12, 2019 Property Disposal Directive
 - Directed Executive Branch to investigate options available for reducing the State's assets by identifying properties that could be divested
- A multi-departmental workgroup was formed, inclusive of State Facility Council members and project managers from the DOT&PF Division of Facilities Services
- Methodology involved departments categorizing their facilities into 'Consider' or 'Non-Consider' categories
 - Consider: These buildings were identified by departments as candidates for divesting. Candidate buildings may be appropriate for demolition, space consolidation, or selling.
 - Non-Consider: Identified by departments as non-candidates. Departments were asked to provide justifications for each non-consider building.



Property Disposal Directive: Consider Candidate Example From Property Disposal Report

Maintenance Shop & Warehouse

Ketchikan, AK 99901 4,430 Square Feet State Owned Department: Transportation & Public Facilities – Southcoast Region

As of: May 30, 2019

Concept:

Southcoast Region currently occupies two locations for three components within the region which includes M&O, Construction and SEF. The Construction office has been a trailer which has deteriorated beyond repair and it is not in an acceptable condition employees should be working in.

Co-locating all three within vacant space located at the AMHS Engineering building will reduce costs for both Southcoast Region and AMHS and will provide staff adequate working conditions

Advantages:

- Reduced operating costs by sharing facility operations across three areas
- Improved efficiencies having M&O, Construction and SEF in one location
- 3. Improved working conditions for staff

Disadvantages:

- Unknown start up costs
- Disposal of previous location could contain Hazmat or asbestos







Expected benefit:

Unknown operating savings will be realized, however there is the assumption a savings will occur.

Utilizing existing space and reducing the building inventory.

Property Disposal Directive: Consider Candidates & Next Steps

'Consider' Summary

Department	# of Consider
Administration	0
Corrections	0
Education & Early Development	4
Environmental Conservation	0
Fish & Game	2
Governor's Office	0
Health & Social Services	0
Labor & Workforce Development	0
Military & Veterans Affairs	60
Natural Resources	12
Public Safety	1
Transportation & Public Facilities	18
TOTAL	97

Next Steps

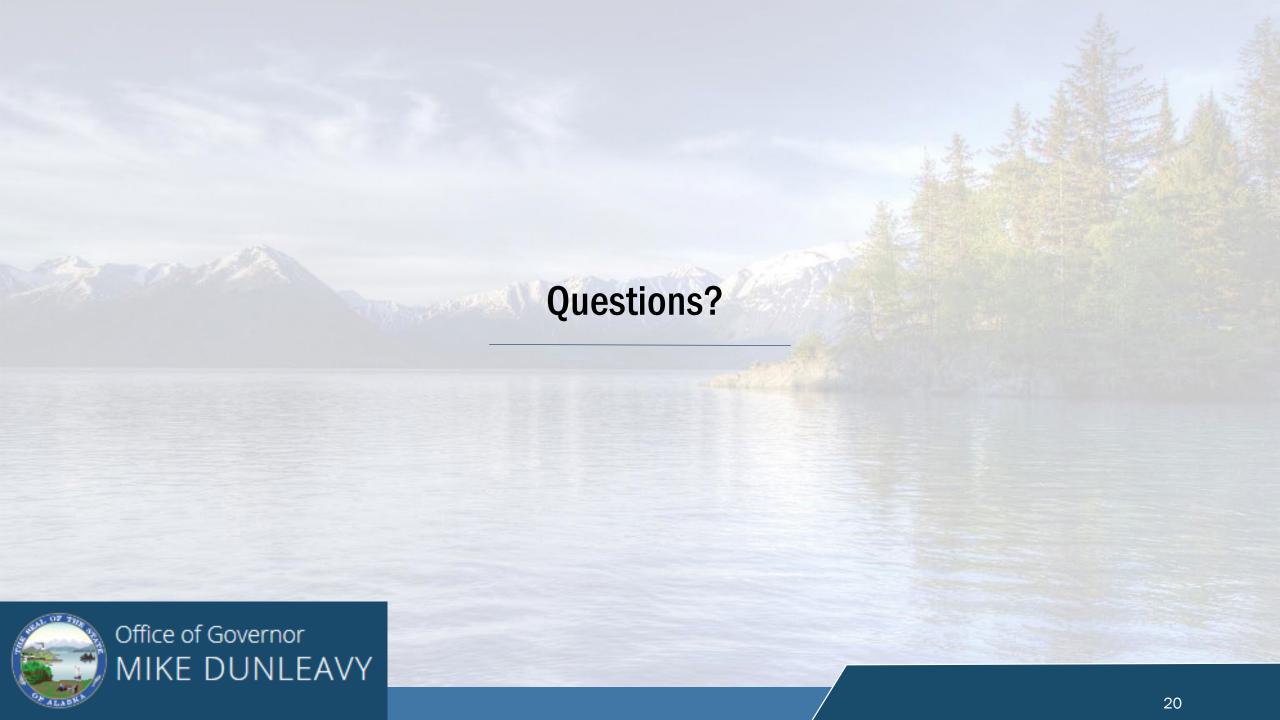
- OMB discussions with individual Departments on the *Consider* candidates, any further cost benefit analyses, and approvals of selected *Consider* candidates
- Determining proper resources and project management to implement approved selected property disposals
- Resourcing and implementing the disposal of the approved properties



Property Disposal Directive: The Divestment Process

- Executive Branch to follow an established process for divesting excess buildings managed by the Department of Administration (Appendix C), with exception of:
 - ➤ Buildings on airport land under DOT&PF authority (AS 02.15.060.070)
 - Buildings acquired by DOT&PF from the acquisition of land for highway projects (AS 19.05.070)
 - Education buildings (AS14.07.030)
 - DNR buildings which improve state lands (AS 38.05.035)
 - Federally funded buildings, in which each federal agency has its own rules and may require federal funds to be refunded. For example, DMVA federal use or funded armories, in which DMVA is following federal guidelines in their current facilities divestment program.
- For those facilities with little value or unlikeliness to sell, other factors for consideration include suspension of all maintenance and repair costs, liability associated with vacant structures and demolition costs.







Deferred Maintenance: More Information on the Budget

OMB FY2021 Website:

https://omb.alaska.gov/

Deferred Maintenance Project Detail:

https://omb.alaska.gov/ombfiles/21_budget/Gov/Proposed/2021proj62700.pdf https://omb.alaska.gov/ombfiles/21_budget/Admin/Proposed/2021proj49602.pdf https://omb.alaska.gov/ombfiles/21_budget/ACS/Proposed/2021proj62585.pdf

School District Major Maintenance Listing:

https://education.alaska.gov/Facilities/final/FY21MaintenanceFinalList.pdf

Legislative Finance Division FY2021 Overview:

http://www.legfin.state.ak.us/Overview/Overview2021.pdf



Deferred Maintenance: Statewide Approach – Mission Alignment Index

- Mission Alignment Index (MAI) identifies the relative importance of a facility in relation to an agency's primary mission. Besides how critical the facility is to the agency mission it considers:
 - > How capable is it to deliver services
 - > How utilized is it, how many people, citizens or state services does it impact
 - > Availability of other facility options at that location
- The most critical facilities of an agency are directly aligned with the agency's purpose to exist
 - Amongst multiple critical facilities within in an agency, there are still varying degrees
- Allows better risk management to programs, and guides investment and divestiture decisions
- Determined by the agency. Periodically revisited.



<u>Deferred Maintenance: Statewide Approach – Mission Alignment Index Examples</u>

Critical:

• The Agency *cannot* meet its mission without this facility. There are no viable workarounds

Index Scale

0.75 - 0.9

Facility

Key Maintenance Station, Correctional Center, Hangar, School, etc.

• Important:

• Would impact the Agency's mission if unavailable. Possible workarounds

0.5 - 0.74

Supportive:

• Would possibly impact the Agency's mission if unavailable, but other options available

0.25 - 0.49

Certain Office Buildings

Certain Warehouses or Storage Buildings

• Other / Non Mission Critical:

 Would not have an effect on the Agency's mission if unavailable

0.0 - 0.24



<u>Deferred Maintenance: Statewide Approach – Systems & Needs</u>

 Life, Health, Safety, Structure 	System ractor
 Sprinkler, Fire Alarm, Structural, Including Life, Health, Safety issues caused by envelope, mechanical, electrical, or other system failures 	0.75 – 1.0
 Envelope and Shell Roof, Exterior Walls and Windows 	0.5 – 0.74
 Mechanical, Electrical, Conveying, Process HVAC, Plumbing, Power, Lighting, Elevators, Escalators, industry specific systems 	0.5 – 0.74
 Interior, exterior grounds, other Interior Doors, Walls, Floors, Finishes 	0.25 - 0.49

Need

5 - Critical

-Corrects critical life safety or code hazard

-Imminent failure, requires immediate action to return facility to normal operations

4 – Important, not yet critical

-Requires action within next 5 years to stop intermittent interruptions

-Corrects deterioration or potential safety hazards

3 – Necessary

-Require appropriate attention to preclude deterioration or potential downtime

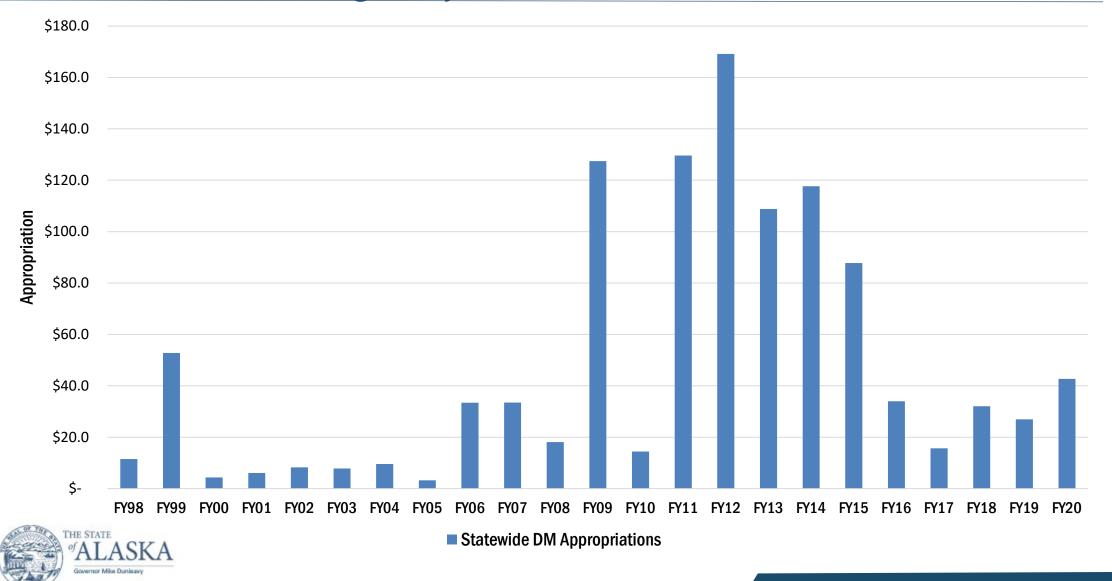
Determined by expertise from facilities, architectural and engineering professionals, condition assessments and indices, maintenance records, engineered reports, etc., with input from users

System Factor

Deferred Maintenance: Replacement Value of our Facilities

		TOTAL			TOTAL by %				
	Number of	Square Feet		Replacement	Number	Sq. Ft	Replace \$		
Agency	Facilities			Value					
Administration	15	1,553,055	\$	772,166,550	1%	8%	8%		
Corrections	138	1,738,485	\$	945,057,005	6%	9%	10%		
Courts	13	639,120	\$	334,260,165	1%	3%	3%		
Education & Early Development	16	342,010	\$	250,515,350	1%	2%	3%		
Environmental Conservation	1	22,610	\$	22,610,000	0%	0%	0%		
Fish and Game	260	651,321	\$	272,226,575	11%	3%	3%		
Health & Social Services	42	911,574	\$	724,368,750	2%	4%	7%		
Labor & Workforce Development	16	181,958	\$	90,787,500	1%	1%	1%		
Military & Veterans Affairs	372	2,360,465	\$	439,625,987	15%	12%	5%		
Natural Resources	347	433,689	\$	112,974,200	14%	2%	1%		
Office of the Governor	3	651,321	\$	21,496,000	0%	3%	0%		
Public Safety	52	227,269	\$	89,084,027	2%	1%	1%		
Transportation & Public Facilities	732	2,597,906	\$	1,438,336,841	30%	13%	15%		
University	417	8,141,005	\$	4,151,975,398	17%	40%	43%		
TOTAL	2,424	20,451,788	\$ 9	9,665,484,348	100%	100%	100%		

Deferred Maintenance: Funding History

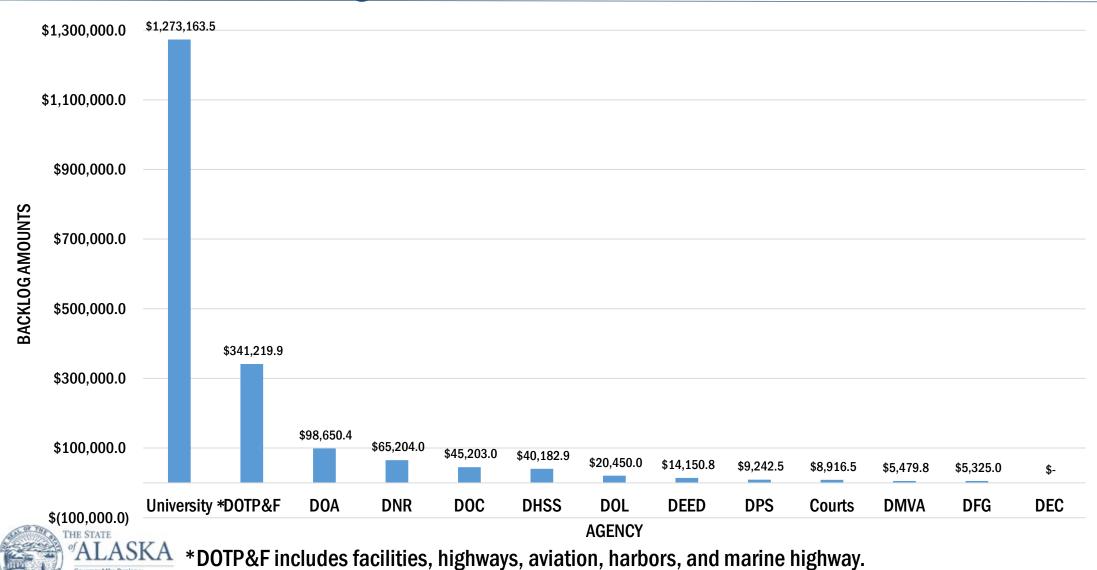


Deferred Maintenance: Backlog by Entity

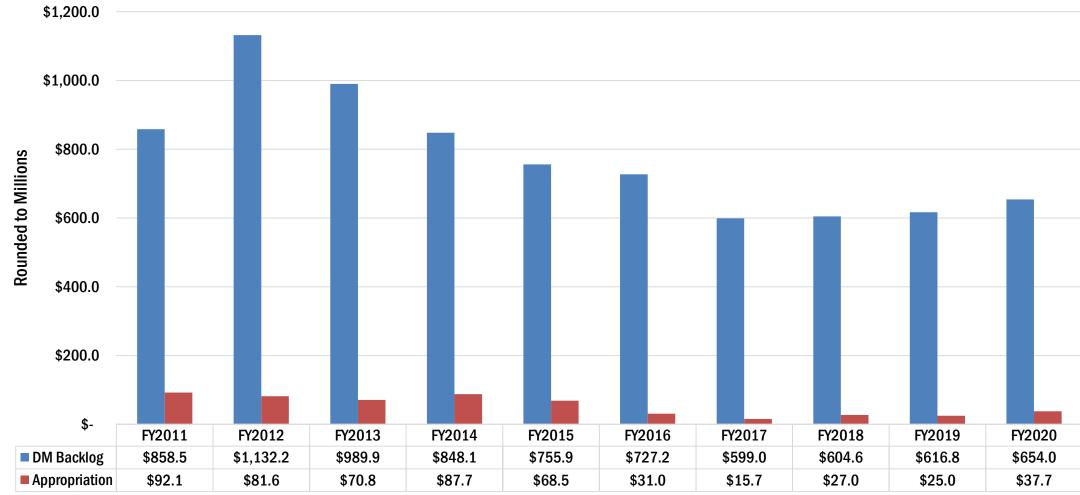
	Don order on t		FV004F	FV0040	EV004.7	FV0040	FV0040	EVOCO	Difference FY2019 to	0/ of Total	% of Total Excluding
	Department		FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2020	% of Total	University
1	Administration		\$45,684.3	\$67,762.5	\$60,199.1	\$56,731.5	\$67,631.7	\$98,650.4	\$31,018.7	5.1%	15.1%
2	Corrections		\$65,923.0	\$59,360.0	\$45,661.0	\$40,580.0	\$39,680.0	\$45,203.0	\$5,523.0	2.3%	
3	Education & Earl	y Developm	\$15,063.0	\$16,451.0	\$20,741.0	\$21,156.0	\$18,066.5	\$14,150.8	(\$3,915.8)	0.7%	2.2%
4	Environmental Co	onservation	\$280.0	\$0.0	\$0.0	\$0.0	\$760.0	\$0.0	(\$760.0)	0.0%	0.0%
5	Fish & Game		\$1,400.0	\$1,400.0	\$950.0	\$2,234.0	\$2,091.4	\$5,325.0	\$3,233.6	0.3%	0.8%
6	Health & Social S	Services	\$18,220.0	\$24,151.0	\$29,101.0	\$27,774.0	\$34,509.8	\$40,182.9	\$5,673.1	2.1%	6.1%
7	Labor		\$15,080.0	\$11,860.0	\$12,895.0	\$15,720.0	\$18,550.0	\$20,450.0	\$1,900.0	1.1%	3.1%
8	Military & Vetera	ns Affairs	\$48,235.7	\$27,224.8	\$0.0	\$60,006.5	\$36,822.5	\$5,479.8	(\$31,342.7)	0.3%	0.8%
9	Natural Resource	s	\$73,235.8	\$70,165.0	\$73,195.0	\$71,046.5	\$68,971.0	\$65,204.0	(\$3,767.0)	3.4%	10.0%
10	Public Safety		\$6,674.7	\$5,288.1	\$2,000.0	\$1,700.0	\$3,460.0	\$9,242.5	\$5,782.5	0.5%	1.4%
11	Transportation		\$459,183.7	\$434,923.9	\$346,516.2	\$302,440.3	\$319,873.4	\$341,219.9	\$21,346.5	17.7%	52.2%
		Facilities	\$24,460.6	\$27,254.6	\$21,105.6	\$18,900.6	\$20,880.6	\$38,084.3	\$17,203.7	2.0%	5.8%
		Highways	\$360,028.2	\$301,957.0	\$237,757.0	\$196,568.5	\$219,426.2	\$222,124.2	\$2,698.0	11.5%	34.0%
		Aviation	\$51,597.5	\$77,618.5	\$69,447.5	\$70,962.5	\$58,110.0	\$57,595.0	(\$515.0)	3.0%	8.8%
		Harbors	\$9,538.2	\$14,534.6	\$15,200.6	\$12,867.3	\$18,390.1	\$18,716.4	\$326.3	1.0%	2.9%
		Marine	\$13,559.2	\$13,559.2	\$3,005.5	\$3,141.5	\$3,066.5	\$4,700.0	\$1,633.5	0.2%	0.7%
		Highways									
12	University		\$1,091,237.7	\$1,080,551.3	\$1,008,793.6	\$1,061,256.6	\$1,236,607.5	\$1,273,163.5	\$36,556.0	66.1%	N/A
13	Courts		\$6,952.1	\$8,655.5	\$7,715.5	\$5,260.1	\$6,396.6	\$8,916.5	\$2,519.9	0.5%	
13	Outo	Total:	\$1,847,170.1	\$1,807,793.1	\$1,607,767.3	\$1,665,905.6	\$1,853,420.4	\$1,927,188.3	\$58,138.3	100%	100%



Deferred Maintenance: Backlog \$1.9B

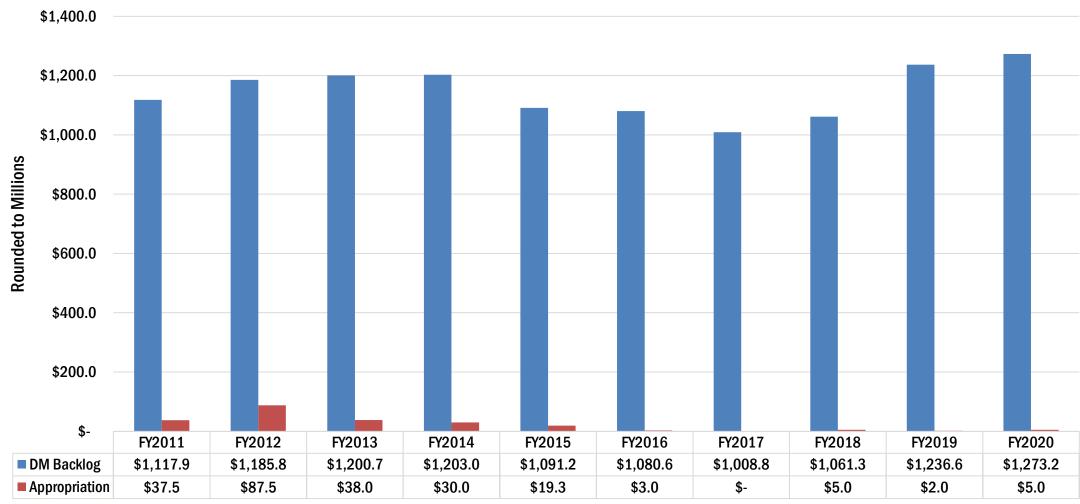


Deferred Maintenance: Backlog (excluding University)





Deferred Maintenance: University Backlog





*FY2012 \$50M UA Bonding

Deferred Maintenance: DM Expenditure Report (by Year)

					Aı	nticipated Exp	Α	nticipated Exp	
Fiscal Year	Authorized	Expenditure	Encumbered	Unobligated	by	6/30/2020	b	y 6/30/2021	% Obligated
2006	\$ 4,660.1	\$ 4,001.0	\$ 91.1	\$ 568.0	\$	-	\$	-	88%
2008	\$ 350.0	\$ 119.9	\$ 230.1	\$ -	\$	219.9	\$	350.0	100%
2011	\$ 2,000.0	\$ 941.0	\$ -	\$ 1,059.0	\$	-	\$	-	47%
2012	\$ 9,748.0	\$ 7,008.2	\$ 479.3	\$ 2,260.6	\$	1,466.7	\$	1,610.0	77%
2013	\$ 9,913.5	\$ 8,726.2	\$ 388.4	\$ 798.9	\$	1,486.9	\$	80.0	92%
2014	\$ 34,992.9	\$ 30,507.7	\$ 1,387.1	\$ 3,040.7	\$	2,077.7	\$	2,926.3	91%
2015	\$ 21,078.3	\$ 16,817.9	\$ 356.9	\$ 3,537.4	\$	3,101.4	\$	3,030.1	81%
2016	\$ 24,140.9	\$ 12,862.1	\$ 2,118.3	\$ 9,155.4	\$	3,740.0	\$	3,750.0	62%
2017	\$ 12,802.9	\$ 9,197.7	\$ 1,632.9	\$ 1,972.4	\$	3,946.2	\$	3,168.6	85%
2018	\$ 32,423.5	\$ 12,985.3	\$ 5,417.9	\$ 14,020.3	\$	11,873.7	\$	9,099.8	57%
2019	\$ 34,832.7	\$ 8,699.5	\$ 9,467.9	\$ 17,115.3	\$	10,978.5	\$	9,595.2	52%
2020	\$ 9,341.0	\$ 3,356.6	\$ 509.2	\$ 5,475.2	\$	1,707.9	\$	2,130.0	41%
GRAND TOTAL	\$ 196,283.9	\$ 115,223.1	\$ 22,079.0	\$ 59,003.3	\$	40,598.8	\$	35,740.0	70%



^{*}Only appropriations with remaining balances are shown.

Deferred Maintenance: DM Expenditure Report (by Agency)

					Aı	nticipated Exp	Α	nticipated Exp	
Agency	Authorized	Expenditure	Encumbered	Unobligated	by	6/30/2020	by	y 6/30/2021	% Obligated
Education	\$ 10,418.5	\$ 5,998.6	\$ 888.6	\$ 3,531.3	\$	1,437.9	\$	2,251.0	66%
Fish and Game	\$ 1,800.0	\$ 1,287.6	\$ 255.7	\$ 256.7	\$	77.5	\$	179.2	86%
Health & Social Services	\$ 2,786.3	\$ 43.5	\$ 108.7	\$ 2,634.1	\$	-	\$	266.0	5%
Military & Veteran's									
Affairs	\$ 24,177.7	\$ 7,745.8	\$ 2,432.1	\$ 13,999.8	\$	1,818.7	\$	4,440.6	42%
Natural Resources	\$ 10,519.2	\$ 9,219.9	\$ 52.4	\$ 1,246.8	\$	554.7	\$	884.5	88%
Administration	\$ 48,969.9	\$ 41,231.2	\$ 4,932.3	\$ 3,256.4	\$	2,433.1	\$	2,914.8	94%
Corrections	\$ 33,151.7	\$ 19,516.1	\$ 4,609.4	\$ 9,025.1	\$	20,456.7	\$	17,812.5	73%
Labor & Workforce									
Development	\$ 3,113.2	\$ 855.7	\$ 1,600.0	\$ 657.5	\$	967.9	\$	851.7	79%
Transportation & Public									
Facilities	\$ 15,383.0	\$ 3,515.2	\$ 0.4	\$ 11,867.4	\$	7,518.4	\$	4,089.7	23%
Public Safety	\$ 32,964.4	\$ 20,527.4	\$ 3,559.6	\$ 8,450.1	\$	-	\$	-	73%
University	\$ 13,000.0	\$ 5,282.1	\$ 3,639.9	\$ 4,078.0	\$	5,333.9	\$	2,050.1	69%
Grand Total	\$ 196,283.9	\$ 115,223.1	\$ 22,079.0	\$ 59,003.3	\$	40,598.8	\$	35,740.0	70%



^{*}Only appropriations with remaining balances are shown.

Deferred Maintenance: Known Disposed Assets

- Department of Health and Social Services Ketchikan Youth Center Returned to the City
- Department of Fish and Game Birch Lake Land Parcel
- Department of Natural Resources Sold Facility Associated with the Agriculture Revolving Loan Fund
- Department of Military and Veterans Affairs Divested 15 Army National Guard Facilities with 50 Others Planned or In Progress
- Department of Transportation and Public Facilities Sold Two Facilities from Kulis Anchorage
- University of Alaska Reduced Space through Property Sales, Elimination of Leases, and Demolition



Deferred Maintenance: University Space Reductions

		Space Reductions											
	_	eased	C	Owned									
		Gross		Gross	Total	Total Space							
	Count	Square Foot	Count	Square Foot	Count	Reduction							
UA Anchorage	18	83,529	4	76,423	22	159,952							
UA Fairbanks	23	89,849	22	67,972	45	157,821							
UA Southeast	3	2,220	6	41,248	9	43,468							
UA Statewide	5	37,041	2	3,890	7	40,931							
Grand Total	49	212,639	34	189,533	83	402,172							

