

UMB Resilience Strategies & Progress Matrix - Attachment B

2/1/2017

STRATEGY COMPONENTS

Strategy Objective Policy

STATUS OF COMPLETION TO DATE

Ex. Cond. Inventory

ID Deficit

Set Goals

Notes/Remarks

A- Flooding & Hurricane Preparedness

1- Raise electrical infrastructure

1a- Identify outdated elements

x of y total	x	Include raising/flood protection as primary goal when completing DM schedule by 2022
--------------	---	--

see B.1 below re substations

2- Basement Sump Pumps

2a- Assess age/condition: # outdated?

x of y total	x	Replace according to VFA, or earlier, based on priorities/available funding.
--------------	---	--

VFA indicates life cycle so no specific date

2b- Develop life/cycle replacement plan

x of y total	x	
--------------	---	--

Deferred maintenance funding/priorities being assessed now in conjunction with VFA findings

3- Roof Drains

3a- Assess age/condition: # outdated?

x of y total	x	Replace according to VFA, or earlier, based on priorities/available funding.
--------------	---	--

newly suggested so just starting

3b- Develop life/cycle replacement plan

x of y total	x	
--------------	---	--

Again; timing of replacement necessity is known but funding/priorities are still in progress

B- Redundancy Planning

1- Create redundant electrical supply

1a- Build 2 new substations, fed separately

1	1	2 new by 2025
---	---	---------------

design in 2017; construction start 2018?

2- Build campus communication redundancy

2a- Servers in separate IT locations

1 location	1	2 locations by 2018
------------	---	---------------------

601 W Lombard & 300 W Lexington

2b- Maintain/strengthen fire alarm redundancy

Existing is dated	?	Assess need for improvements by 2020
-------------------	---	--------------------------------------

Assessment to be done in near future. 2020 arbitrary

2c- Separate repeaters for radio communications

2 locations	0	maintain & monitor
-------------	---	--------------------

655 W Baltimore & 220 N Arch

C- Mitigate the Urban Heat Island effect on campus

1- Increase tree canopy coverage on campus

1a- Enlarge undersized tree pits

109 of 277 = 32%	178	enlarge 27 by 2021
------------------	-----	--------------------

new campus standard 45sf minimum

1b- Increase # of trees on campus by 10% by 2021

~340 current total	maximize	add 34 by 2021
--------------------	----------	----------------

too modest a goal?

1c- Swap columnar with larger canopy trees

not quantified	TBD	policy; shift away from street
----------------	-----	--------------------------------

address in revised UD Guidelines

2- Increase the amount of green space on campus

2a- ID underutilized hardscape for conversion

4 locations	sf area	3 new pocket parks by 2021
-------------	---------	----------------------------

CC east; lots n lexington & greene

3- Improve reflectivity of roofs & parking lots

3a- ID roofs to improve & strategies

x of y total are cool	y-x	go light as replaced
-----------------------	-----	----------------------

create O&M policy & spec for cool roofs

3b- ID parking lots to improve & strategies

all lots are dark		light sealer or white aggregate
-------------------	--	---------------------------------

create O&M policy & spec for cool paving

D- Community Resiliency Leadership Network

1- ID lead community contacts & coordinate actions

1a- ID who these leaders are

4 groups		
----------	--	--

also check city & state as 2 more groups

1b- Meet/confirm their willingness to participate

done		
------	--	--

2- ID/evaluate current plans in place

2a- Research all these current plans

done		
------	--	--

plans requested from partners;BJ will follow-up

2b- Evaluate these & find coordination opportunities

done		
------	--	--

3- Develop a coordinated plan & implementation guide

3a- Prepare a coordinated resiliency community plan

done		
------	--	--

3b- Set method for regular communication & quick response

in progress		
-------------	--	--

KEY

completed
in progress
no progress