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Ferland Engineering Education and Design Center (EEDC) Virtual Beam Topping Ceremony

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Ferland EEDC Virtual Beam Topping Ceremony

Live streamed on Friday, Feb. 12, 2021

Run Time: 00:37:49

https://youtu.be/qp0_o2WPsNQ?t=300

English language (auto-generated) TRANSCRIPT

05:02

hello

05:02

hello can you hear me

09:13

hello and welcome to our live coverage

09:15

as the final structural beam

09:17

is placed on the ferland engineering

09:20

education and design center here

09:22

at the university of maine hello i'm

09:24

jeff mills president and ceo

09:26

of the university of maine foundation

09:28

and i'm coming to you live from

09:30

buchanan alumni house in a few moments

09:33

we'll be going out to the area where the

09:36

center is about to have the beam go on

09:38

to the top to finish this piece

09:41

and many of you know that we have a lot

09:44

going on here at the university of maine

09:47
with planning with all of this going on
09:49
during a pandemic
09:51
also we had to make sure that the
09:53
construction crew was on
09:55
on schedule and we also had to deal with
09:57
whether or not
09:58
we would have good weather for the day
10:00
that we finally do this
10:01
so because of that some of the activity
10:03
that you'll see today we pre-taped just
10:05
to make sure that they were ready
10:07
and we weren't sure if we would be able
10:09
to have the president live or not
10:10
because we weren't sure what day this
10:12
was actually going to take place on
10:13
because of all of the things i just
10:15
mentioned but we are very fortunate that
10:16
along with her tape remarks
10:18
she is here to welcome you now so uh if
10:21
you would
10:22
join me in welcoming the president of
10:24
the university of maine joan ferrini

10:26
monday
10:26
john thank you so much jeff and i'll
10:29
just be very brief because you'll see me
10:31
on video in a moment
10:32
but um what a happy day how exciting
10:34
this is
10:35
that we're able to uh to witness this
10:37
event historic for all of us
10:39
and i'm deeply grateful to all of you
10:41
who've been a part of supporting this
10:42
effort
10:43
and that you're here with us to share in
10:44
this terrific day
10:46
thank you john there have already been
10:50
78 alumni who have been working on the
10:53
design
10:53
and construction of the ferland center
10:56
so we're very
10:57
pleased that we are able to have so many
10:59
black bears that have already been able
11:00
to help us to make this
11:02
dream enter a reality today also

11:05
to make this dream into a reality it
11:07
wouldn't be possible without the support
11:09
of many different uh people that have
11:11
helped with this project
11:12
and i wanted to recognize and talk about
11:14
a little bit of that about that today
11:17
donors to the ferland center here set
11:19
new records for
11:21
private capital fundraising for the
11:23
support of the university of maine
11:25
we had our 208 million dollar vision for
11:28
tomorrow comprehensive campaign that
11:30
ended
11:30
in on june 30th which was a
11:32
record-breaking amount we hoped to raise
11:34
at least 200 million
11:36
and we went over that goal by raising
11:37
208.
11:39
also this is the largest fundraising
11:41
capital project in the university of
11:43
maine system history
11:44
a record 78 million in private and

11:47
public funds were raised for the ferland
11:49
center
11:50
including support from more than 500
11:52
alumni
11:53
friends corporations foundations and the
11:56
great state of maine
11:58
skowhegan natives jim and eileen ferland
12:01
provided the 10 million dollar naming
12:03
gift
12:04
jim is a retired power industry
12:07
executive with a degree in mechanical
12:09
engineering
12:10
from the great class of nineteen sixty
12:12
four
12:13
we are fortunate to have five additional
12:15
donations for this project of
12:17
over one million dollars i would like to
12:20
thank dr denham ward
12:21
umaine class of 69 and debbie lipscombe
12:24
trustees
12:25
of the abagadasset foundation the board
12:28
of the

12:29
gustavus and louise
12:32
and louise pfeiffer research foundation
12:36
mark calzan president and ceo of the
12:39
packaging corporation of america
12:41
and michael papp general manager of
12:43
pratt whitney's north
12:44
brunswick north berwick main plant
12:48
a special thank you to the harold alfond
12:50
foundation which capped the ferland
12:52
center project with their investment for
12:54
our final naming gift
12:57
we this all of this money was raised
12:59
before the transformational gift that
13:01
you may have heard of from the harold
13:03
alfond foundation of the 240 million
13:06
uh that they are giving as a grant for
13:08
the university of maine system so you'll
13:09
be hearing a lot more about that in the
13:11
near future
13:12
but all of this happened even before
13:14
that so when you look at the 208 million
13:17
that was raised already by june 30th

13:20

on top of that we have now received a

13:22

240 million dollar grant from the harold

13:25

alfond

13:26

foundation which we will be leveraging

13:28

as we move into the near future

13:31

ongoing construction of this project

13:34

would not be possible without the great

13:36

success

13:37

of our engineering college and nothing

13:40

exemplifies better what umaine is all

13:43

about than our dean of the college of

13:45

engineering

13:46

and that is dana humphrey and now i'm

13:48

very pleased to turn this over to dana

13:50

as he'll lead us through

13:51

the next part of this program today dana

13:54

take it away

14:11

generation of humane engineers the

14:14

design of this amazing project has been

14:16

a partnership between

14:17

wbsc architect engineers in bangor

14:20

and ellenswig in boston construction has

14:23
now been underway since may led by
14:25
consigli construction
14:27
thanks to the great technology folks
14:29
here at the university of maine
14:31
will be live streaming for the next 30
14:34
minutes
14:35
pre-recorded videos we'll have remarks
14:38
from you maine president
14:39
john ferrini monday and university of
14:41
maine system chancellor
14:43
dan maloy after the ceremony is over
14:46
we'll post the videos to the university
14:48
of maine foundation website
14:50
view them again later you'll also find
14:53
videos from wbrc
14:56
ellenswig and consigli the details
14:58
design
14:59
and construction of this project as well
15:01
as the link for the construction webcam
15:04
please share these links with your
15:10
friends
15:13
the university of maine recognizes that

15:15
it is located
15:16
on marsh island in the homeland of the
15:19
penobscot nation
15:20
where issues of water and territorial
15:23
rights and encroachment upon sacred
15:25
sites are ongoing
15:27
penobscot homeland is connected to the
15:29
other wabnaki tribal nations
15:31
the passamaquati malicite and mcmack
15:34
through kinship
15:35
alliances and diplomacy the university
15:38
also recognizes that the penobscot
15:40
nation and the other wabnaki tribal
15:42
nations
15:43
are distinct sovereign legal and
15:45
political entities
15:46
with their own powers of self-governance
15:49
and self-determination
15:56
the tradition of the beam topping
15:58
ceremony is rooted in scandinavian
16:00
heritage
16:00
in many other cultures the spruce

16:03
symbolizes a safe and successful build
16:06
and a blessing upon future tenants it's
16:09
appropriate to celebrate
16:10
maine's natural heritage and the
16:12
research humane faculty conduct in all
16:14
our signature areas including
16:16
forestry and the environment marine
16:19
sciences
16:20
the college of engineering advanced
16:22
structures
16:24
advanced materials for infrastructure
16:25
and energy climate change
16:28
stem education and the honors college
16:31
a beam a painted beam was made available
16:33
in january
16:34
for the human community design team
16:37
construction crew
16:38
and their families design a time capsule
16:41
was welded in place
16:42
to contain notes from donors to future
16:45
generations
16:46
of humane engineers

16:50

president of ccb inc and a member of my

16:54

advisory council and the um board of

16:56

visitors

16:57

came to campus to sign the beam we asked

17:00

beth

17:01

to reflect on this project

17:08

beth it's great to see you hi dana it's

17:11

great to see you as well it's great to

17:13

be in orono today to see the progress on

17:15

the ferland

17:16

engineering education and design center

17:18

it looks fantastic

17:20

now before we go out to the construction

17:21

site let me show you a time lapse video

17:24

of photos from consigli's construction

17:26

camera

17:26

from the time of the demolition of the

17:28

machine tool lab in may of 2020

17:31

to present

17:33

[Music]

17:57

[Music]

18:13

[Music]

18:26

do

18:29

[Music]

18:32

it's amazing to see this dream become a

18:34

reality

18:35

now beth you served on the dean's

18:37

council from the beginning of this

18:39

project

18:39

and i remember back in november of 2013

18:43

when peter mckinney moved and then you

18:45

seconded the motion

18:47

to begin fundraising for the engineering

18:49

capital projects fund

18:50

what was the board's motivation well

18:52

dana we listened to you

18:54

you are constantly and always advocating

18:57

for

18:57

engineering and training and educating

19:00

engineering talent for the state of

19:01

maine

19:02

and for maine businesses and dana you

19:04

led record enrollment

19:06

in the college of engineering our

19:08
graduates are in great demand
19:10
99 of our of our graduates are fully
19:13
employed within six months of graduation
19:15
and each year in maine there's over 1300
19:18
job postings for engineers
19:20
a real turning point for our campaign
19:22
for the building was the engineering
19:24
workforce summit
19:25
held in lewiston in september of 2016.
19:29
yes that was that was the catalyst for
19:31
bipartisan support by the legislature
19:33
and the governor for the 50 million
19:35
dollar appropriation
19:37
uh by the state of maine in july of
19:39
2017.
19:41
that really was the beginning for this
19:43
project becoming a reality
19:45
i got this incredible news from it from
19:47
about the state of maine support
19:49
when i was actually alone in my tent in
19:51
the pouring rain
19:52
on the appalachian trail in pennsylvania

19:55

well i'm sorry you were alone and wet

19:58

but anyway when we continue to celebrate

20:00

and thank the people of the

20:02

state of maine for this investment the

20:04

ferland center

20:05

will have a tremendous return on

20:07

investment for the state

20:09

i'm so grateful to ccb incorporated and

20:12

all of our industry partners like pratt

20:14

and whitney

20:15

patching corporation of america and

20:17

texas instruments for

20:18

advocacy and for the internships and

20:20

co-ops that continue to offer our

20:22

students

20:23

as well as the many donors who give

20:25

scholarship support

20:27

yes we've hired my company hired a lot

20:30

of great talent out of the university of

20:32

maine college of engineering

20:34

people such as mark belanger who who uh

20:37

purchased the company for me uh along

20:40
with sean ferguson
20:42
and uh we've hired great talent like
20:44
tony giacomosi tony came to ccb
20:47
as a as a laborer in the field for us
20:50
before he had made the decision to come
20:52
to the university he then came to the
20:55
university got his degree in mechanical
20:57
engineering and now he's a project and a
20:59
manager for ccb building a great career
21:01
in maine
21:02
i'm so happy to hear that and upon your
21:04
retirement
21:05
ccb presented a hundred thousand dollars
21:08
to name the cad
21:09
cam classroom in your honor in the new
21:12
ferland
21:12
engineering education and design center
21:15
you know i'm very pleased to be able to
21:17
have given this gift to the university
21:19
but this
21:20
isn't just in honor of me it's an honor
21:22
of all the

21:23
people that work for ccb you know it
21:26
takes a lot of people to make a company
21:28
successful
21:29
and to build a business and i am
21:31
grateful for my career and that career
21:33
was started
21:34
with the help of my education from the
21:36
university of maine
21:38
now before we go out to sign the beam
21:40
i've got something i want to share
21:42
do you know what this is well yes that's
21:44
a crosby clip
21:46
we use that in steel erection all the
21:48
time
21:49
exactly and it was invented by oliver
21:52
crosby
21:53
who is a mechanical engineering graduate
21:55
from the university of maine
21:57
actually in the fourth grant fourth
21:58
graduating class from this university
22:01
and our own crosby lab is named in his
22:03
honor

22:04

now crosby was the founder president

22:08

and chief engineer of american hoist and

22:10

derrick company

22:11

a manufacturing company that create

22:13

unique products for lifting

22:15

and construction tasks he is the

22:17

inventor or co-inventor

22:19

of 36 patents issued between 1887

22:23

and 1925 and these are primarily for

22:26

hoisting devices

22:27

and cable enhancements his most

22:30

well-known invention

22:31

is the wire rope clamp a device to loop

22:34

a cable

22:35

without losing its strength it was

22:37

marketed and sold

22:38

as the crosby clip and is still being

22:41

sold today

22:42

and if we look at the bottom of the clip

22:44

we could actually see that it still says

22:46

genuine crosby on the bottom in addition

22:50

his company produced the world's first

22:52
crawler-mounted crane
22:54
in 1923 and of course crawler-mounted
22:57
cranes are essential for almost every
23:00
steel erection project and we have a
23:02
crawler-mounted crane out on our
23:04
construction
23:04
site wow that's a great story dana what
23:07
a piece of history for the university
23:09
and for the state of maine
23:11
and he was from dexter maine i
23:12
understand which is pretty cool
23:15
just down the road for me where i grew
23:17
up in milo
23:18
a good piscataquis county native just
23:20
like you let's put it in the time
23:23
capsule and
23:24
sign the beam okay
23:27
president jones freddie mundy was also
23:29
among the vips to sign the beam
23:31
dr freddy monday is a leading researcher
23:34
in mathematics education and stem
23:36
education policy

23:38
she became president of the university
23:39
of maine in university of maine at
23:41
machias
23:42
in july of 2018. joan came to umaine
23:46
from the national science foundation in
23:48
washington dc
23:49
where she was the chief operating
23:51
officer throughout the coveted 19 crisis
23:54
joan has offered insightful and
23:56
proactive leadership
23:57
for our students faculty staff
24:00
and state making umaine one of the
24:03
safest
24:04
places in our country to study
24:09
hello i'm joan ferrini-mundi president
24:11
of the university of maine and the
24:12
university of maine at machias
24:14
i'm thrilled to be part of this
24:16
celebration the placing of the final
24:18
structural steel beam in the ferland
24:20
engineering education and design center
24:23
many thanks to the dedicated people

24:24
who've been constructing this
24:26
magnificent 105
24:27
000 square foot three-story center since
24:30
may 2020
24:32
thanks to them as well for following
24:34
covet 19 health and safety guidelines
24:36
during construction
24:37
and helping to keep the campus healthy
24:40
this is a fantastic day for the entire
24:42
humane community
24:44
we've enjoyed seeing the daily progress
24:46
made on the center and we eagerly await
24:48
its completion
24:49
when the furlong center is dedicated in
24:51
august 2022
24:53
it will provide amazing opportunities
24:55
for collaborative cross-discipline
24:57
learning
24:57
and cutting-edge research-based
24:59
innovation it will help us meet the
25:01
state's engineering workforce needs and
25:03
enrollment demands for umaine's

25:05
sought-after engineering programs
25:07
together with the multi-university maine
25:09
college of engineering computing and
25:11
information science
25:12
which will be made possible by a 75
25:15
million dollar gift
25:16
that's part of the harold alfond
25:17
foundation's 240 million commitment
25:20
to the university of maine system we
25:22
will lead statewide economic growth and
25:25
problem solving
25:26
this ferland engineering education and
25:28
design center will be transformative for
25:30
students
25:31
researchers the university the state of
25:33
maine and far beyond
25:35
in addition to serving engineering
25:37
majors the center will house the
25:39
biomedical engineering program
25:41
and department of mechanical engineering
25:43
as well as teaching laboratories for the
25:45
mechanical engineering technology

25:47
program
25:48
we expect this facility to attract
25:50
innovators and scholars from around the
25:51
world
25:53
members of the umaine class of 2023 will
25:56
complete their senior capstone projects
25:58
within the expansive student design
26:00
center suite
26:01
and five technology-rich classrooms will
26:04
promote active learning and inquiry
26:06
and be available to students in all
26:08
academic programs across campus
26:10
which will bolster student success and
26:12
retention
26:13
the light filled center also will be one
26:15
of the numerous highlights for
26:17
prospective students and their families
26:18
on campus tours
26:20
and it will host youths taking part in
26:22
umaine's many stem outreach programs
26:25
humane engineering has a superb
26:27
tradition of preparing students to be

26:28
exceptionally qualified when they enter
26:30
the workforce
26:31
and that preparation includes
26:33
internships and co-op experiences with
26:35
employers in maine and around the
26:37
country
26:38
this facility will be instrumental in
26:39
helping prepare tomorrow's leaders in
26:41
maine and beyond
26:43
we look forward to the innovative ideas
26:45
and solutions that our students
26:46
and faculty will create in collaboration
26:49
with our industry partners
26:50
i too want to take to thank the state of
26:53
maine
26:53
jim and eileen ferland and the many
26:55
contributors as well as the frontline
26:57
construction workers
26:58
who have safely brought us to this
27:00
milestone i now welcome chancellor dan
27:03
malloy
27:03
who is leading the university of maine

27:05
systems effort to unify maine's public
27:07
universities in collaborative service to
27:09
the students and
27:10
people of maine hello i'm dan malloy the
27:14
chancellor of the university of maine
27:16
system
27:16
and boy am i happy to be with you today
27:19
today we're topping off a building which
27:21
is really
27:22
a cornerstone of our reinvention of our
27:25
engineering program
27:26
throughout the state of maine thanks to
27:29
the hard work of so many people
27:31
the money has been raised to bring this
27:33
about particularly i want to thank the
27:35
ferlands for
27:36
their generous support i also want to
27:39
point out that the legislature on a
27:41
bipartisan basis
27:43
committed 50 million dollars to this
27:45
project and we are forever
27:47
grateful i've referenced that this is

27:49
the beginning not the end
27:51
uh we have a lot of work to do to make
27:54
sure that
27:55
we are producing for maine the human
27:57
capital
27:58
that the state needs and most
28:00
particularly in the field of engineering
28:02
computing uh and technology
28:06
i'm happy to be part of this because we
28:08
are making
28:09
real progress uh and we're making
28:11
progress
28:13
really because so many of you are part
28:16
of what we're doing
28:17
have a great day
28:21
berlin engineering education design
28:23
center will be the focal point for
28:25
engineering education at the university
28:27
of maine i expect that every engineering
28:30
student will be in the building at least
28:31
once a day
28:33
be it for a class a laboratory session

28:36

to build their senior class project to

28:38

seek extra help from one of their

28:40

favorite professors

28:41

use one of the 12 team meeting rooms or

28:44

to have a cup of coffee

28:45

in the student cons presently 120 ton

28:49

capacity crane

28:51

will hoist the topmost meme into place

28:53

two of my former students

28:55

matt tanello director of operations

28:59

and project executive for consecutively

29:01

maine and ray bullock

29:02

principal of wbrc architects and

29:05

engineers

29:06

will join us for this play-by-play

29:09

thanks a lot dana i'm matt consigli

29:12

class of 1994.

29:13

and i'm ray bolduck civil engineering

29:16

class of 1990.

29:18

looks like the topping off is ready to

29:21

begin

29:22

so as we get ready to watch the beam be

29:24

hoisted

29:26

i think we could all recognize some of

29:28

the challenges that the team has faced

29:30

to get us here today jack when you

29:33

started playing this project and

29:34

when it was in design covered wasn't on

29:36

our radar screen

29:37

and despite what 2020 through us

29:41

uh it's great to see that the project's

29:44

been taken

29:45

by a great team of construction

29:46

professionals design professionals

29:48

uh to bring us here where we are at this

29:50

great milestone

29:51

and uh to keep us on time on budget and

29:54

most importantly safe that's right matt

29:57

today's topping off

29:59

uh shows uh great momentum in this

30:02

project

30:02

is picking up um over the past several

30:05

months

30:06

uh progress uh this progress is a

30:09
testament
30:10
to the entire uh team members uh based
30:13
on uh
30:14
them doing a great job uh
30:17
from the university leadership to the
30:20
subcontractors
30:21
and not to mention the fact that we've
30:23
had over 78
30:25
uh former university of maine grads and
30:28
current
30:29
students working on the project up to
30:31
today
30:32
and as we get ready to start the beam
30:36
hoisting i'm going to
30:37
uh just start with a little bit of color
30:39
commentary with a couple stats that
30:41
we're super proud of
30:42
uh today's the 243rd day of
30:45
accident free work environment and we've
30:47
had 71
30:49
625 injury-free work hours
30:53
certainly matt the safety is a top

30:56
priority for
30:57
for everyone okay now it's time to raise
31:00
the beam
31:01
let's give the signal to the crane
31:03
operator
31:06
point away
31:09
i want to be able to while the beam's
31:11
going up i want to give a
31:13
shout out to a couple of our
31:14
subcontractors the building sits on an
31:17
incredible foundation of 3875 yards of
31:20
concrete supplied by owen folsom
31:23
uh concrete foundations have been put in
31:26
place
31:27
a great great foundation we've got
31:30
venice giles
31:31
and we've got arc erecting doing a great
31:33
safe job
31:34
erecting ocean steel's incredibly
31:37
fabricated structure
31:40
david mentioned earlier i'd like to give
31:42
a special shout out to the design team

31:44
as well of wbrc
31:48
we had countless hours of preparing
31:51
documents
31:52
for making this project a reality
31:57
in the university staff as well
32:00
so we're looking forward to uh the
32:03
project
32:04
uh as it goes forward especially the
32:07
building is going to start taking shape
32:09
for the installation of the brick
32:12
facades uh the uh store front
32:17
curtain wall as well as the skylight so
32:20
we're looking forward to that as well
32:22
so ray just to put a few more numbers to
32:24
this we count 92 000 bricks that are
32:27
going to be in this building
32:28
130 000 pounds of sheet metal
32:32
19 500 feet of mechanical piping and 400
32:35
000 linear feet of wire
32:39
yeah matt there's also eighty thousand
32:42
liter feet of conduit
32:44
uh fifty thousand feet of piping

32:48
uh thirty five hundred uh control points
32:53
as well as uh eleven
32:57
and this last beam is uh the 600 and
33:01
the last of the 670 tons of structural
33:04
steel
33:05
and it's going to be bolted up with one
33:07
of the 21 000 volts
33:09
that are supporting this last symbolic
33:11
beam
33:14
let's not forget uh you know the project
33:17
also included the definition of the old
33:19
machine tool lab this past spring it's
33:23
the place both of us remember
33:24
you know walking back and forth uh from
33:27
mormon to borrows
33:29
during our time here
33:36
what are they doing up there dana looks
33:37
like they're getting close they've got
33:39
that
33:39
one of his got his jimmy bar out he's
33:41
getting ready to take and pry that last
33:43
beam into place

33:46

yeah there we go we're getting close

33:51

yeah making the final adjustments there

33:57

yeah slowly getting lowered down

34:05

okay getting very close there

34:11

yeah looks like they've got one bolt at

34:13

one end putting on the nut

34:14

getting ready to put the uh nut in the

34:16

opposite end

34:19

taking out the jimmy bar not quite

34:23

oh now that's putting in this blood

34:24

wrench

34:29

getting the final alignment there

34:34

give me my way

34:42

so it looks like they're almost done

34:44

it's just close like another boat there

34:47

incredibly exciting day for us

34:48

absolutely long time coming

34:51

yeah indeed there's actually year eight

34:52

for me on this project you're right wow

34:55

a lot of trips around the country a lot

34:58

of meetings

34:59

yes and great meetings especially with

35:01
with these two folks right here
35:05
and things are really going to start
35:08
coming together
35:09
yes we'll start enclosing the building
35:14
okay interesting we started the project
35:18
yes last summer uh yeah we chose to run
35:21
the concrete foundations through the
35:22
wintertime
35:24
we run concrete foundations on big
35:26
projects like this
35:28
in maine because it's uh it's actually
35:30
easier to keep them heated than it is
35:32
uh to try and heat it up building we'll
35:35
be very envelope
35:36
in the next few months so it looks like
35:37
we've got the final beam in place that's
35:40
awesome
35:40
great job to the construction so
35:44
thank you so much for joining us for
35:46
this green topic celebration for the
35:48
first
35:49
engineering education design center i

35:51

look forward to seeing you all

35:53

in person at the dedication ceremony

35:56

in august 2022 we'll close with the

36:00

university of mainstein song

36:54

[Music]

37:49

you