

PhD in Engineering (Coastal Engineering and Computational Engineering concentration) at an HBCU

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601-979-1809 or -1807 (work)

601-201-8898 (mobile)

End User Engagement

- Engineer Research and Development Center (Prof., interns, speaker, employer, students)
- Vicksburg District, US Army Corps of Engineers (speaker, employer, interns, colleague)
- MS Department of Transportation (speaker, employer, colleague, interns, students)
- US Coast Guard (@ ASEE Annual conferences, colleague)
- MS Emergency Management Agency (speaker, consultation, colleague)
- FEMA Region IV (potential employer, colleague)
- MS Department of Environment (Prof., interns, speaker, students, employer)
- Engineering Planning and Design Firms (employer, interns, students, speaker)

Education Work and Accomplishments

Activities 1/1/16 – 6/30/16

	<u>Scheduled</u>	<u>Completion</u>
1. Formulate concentration	4/30/16	√ 4/30/16
2. Continue to Recruit Adjunct Prof.	5/30/16	√ 5/3/16
3. Seek Peer Review of PhD Program Formulation	12/20/16	√12/01/16
4. Continue teach BS/MS	6/30/16	√ 6/30/16

Milestones 1/1/16 – 6/30/16

1. Continue to graduate BS/MS students enrolled in Coastal Engineering classes	5/30/16	√ 5/30/16
2. Submit Adjunct Prof. Documentation for Approval	10/30/16	√ 9/30/16

Education Work and Accomplishments

Activities 7/1/16 – 6/30/17

1. Prepare Coastal Engineering documentation
2. Submit documentation for approval
3. Continue to teach classes
4. Seek outside research funds

Scheduled

12/30/16
01/15/17
06/30/17
Continuous

Accomplished

√ 12/30/16
√ 01/15/17
√ yes; continuous
√ yes; continuous

Milestones

1. Continue to graduate BS/MS students
2. Receive Adj. Prof. Approval
3. Seek Research funds from Outside Sources
4. Continue to teach courses

05/30/17
12/30/16
06/30/17
06/30/17

√ yes; continuous
√ yes, continuous
√ yes; continuous
√ yes, continuous

Education Work and Accomplishments

Activities

7/1/17-6/30/18

7/1/18-6/30/19

7/1/19-6/30/20

1. Recruit PhD Students
2. Teach courses/oversee research
3. Seek Research funds from Outside Sources

Completion Date

Continuous

Continuous

Continuous

Milestones

1. Continue to graduate students
2. Schedule PhD qualifying exam
3. Graduate first coastal engineering PhD

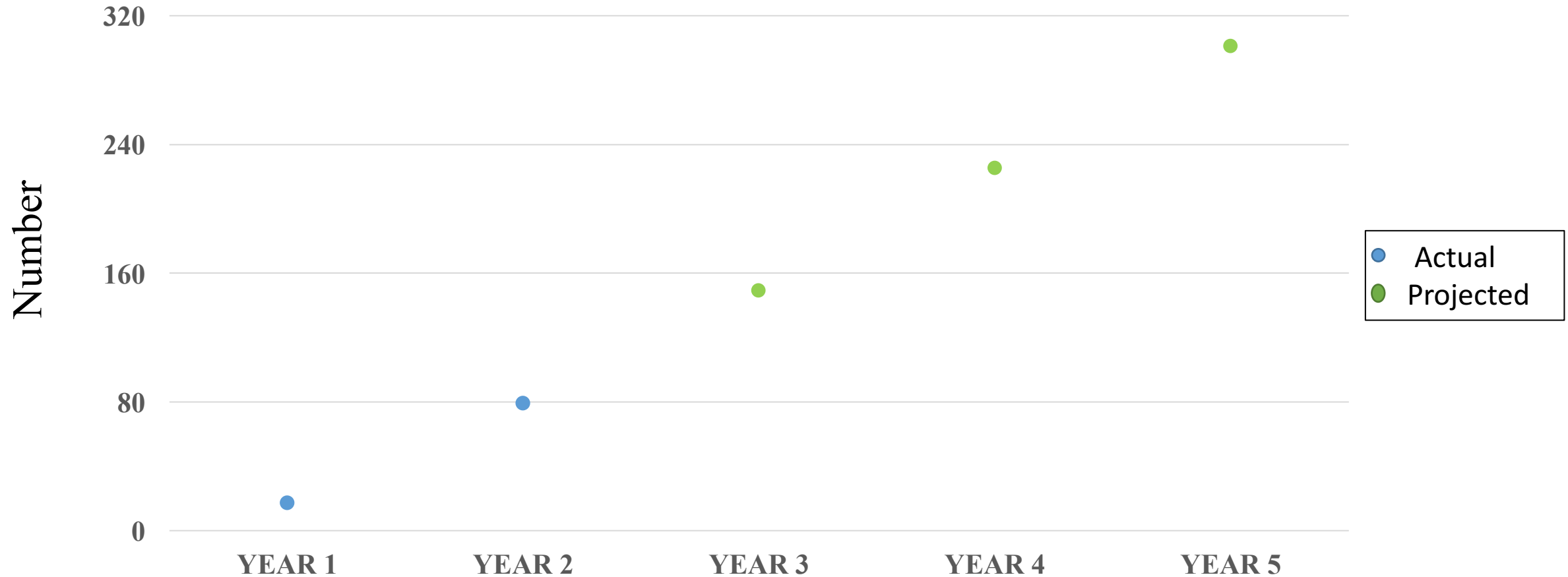
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Continuous

NLT 2020

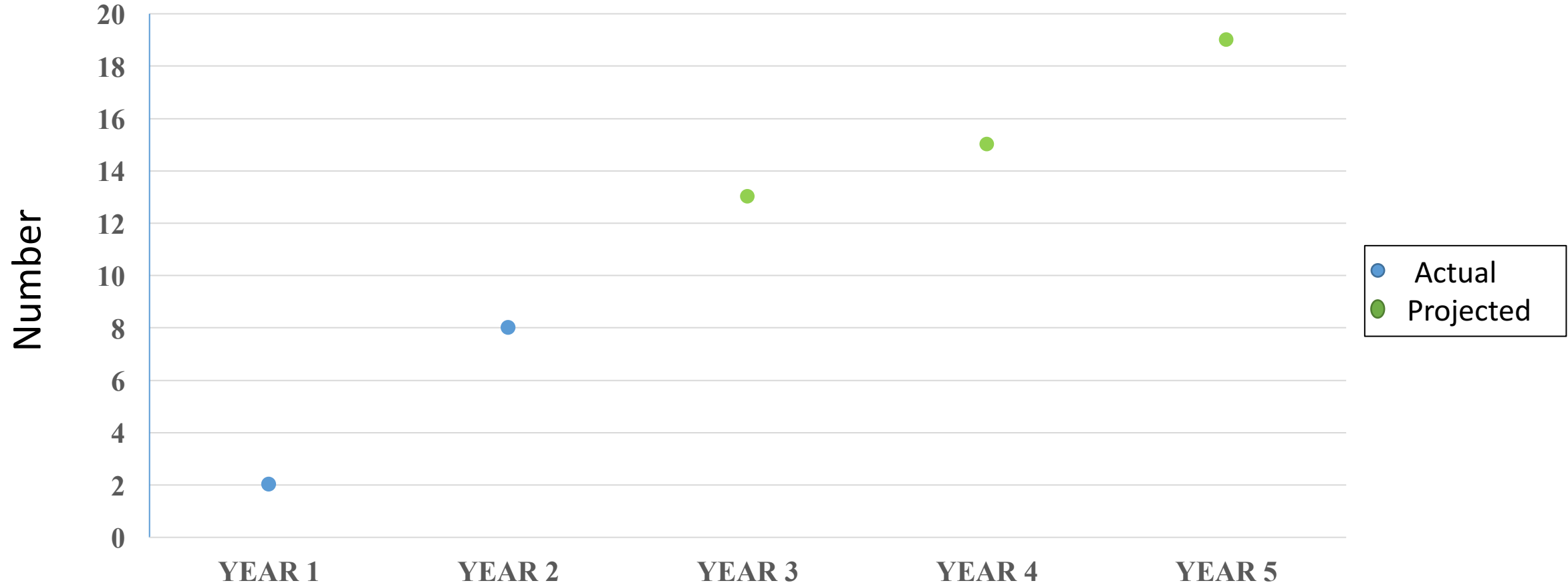
Education Work and Accomplishments

CUMMULATIVE ENROLLMENTS



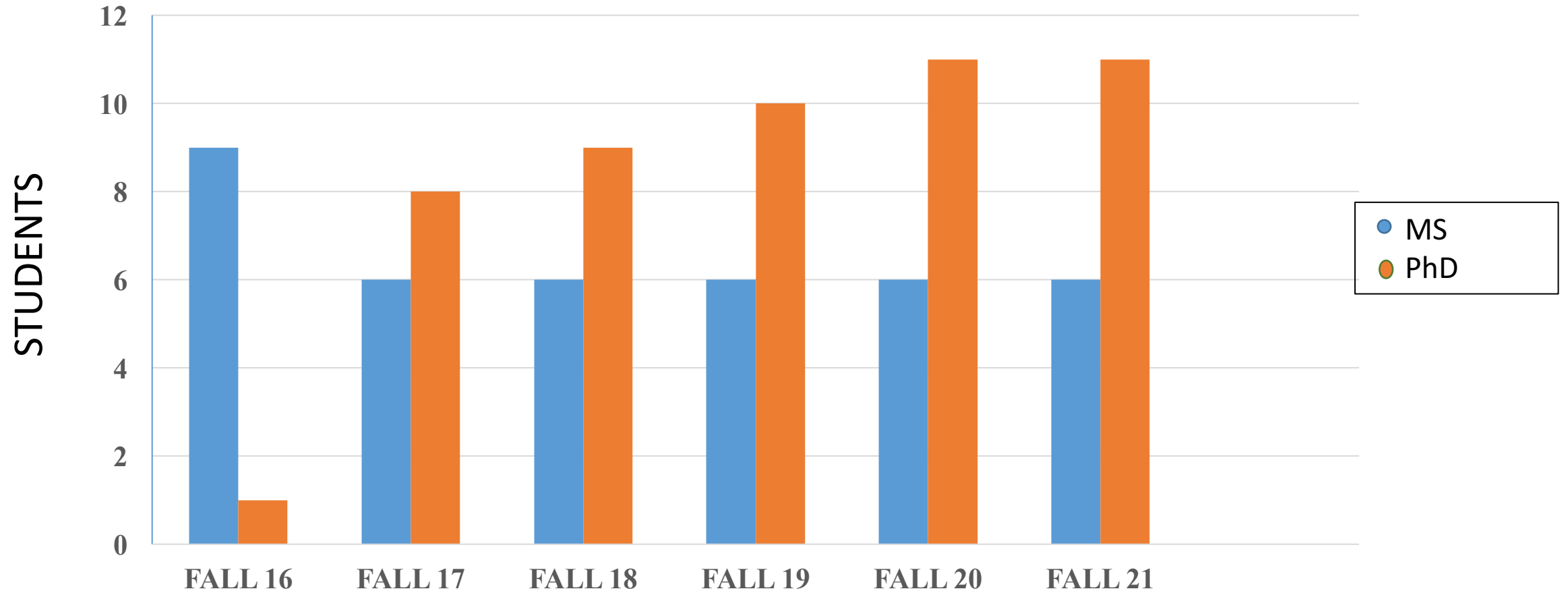
Education Work and Accomplishments

CUMMULATIVE GRADUATE DEGREES AWARDED



Education Work and Accomplishments

Graduate Program Enrollment



Education Work and Accomplishments Leveraged Projects

<u>Title</u>	<u>Sponsor</u>	<u>CRC Year & \$</u>
Coastal Flood Risk Reduction (NSF, PIRE) (5 years, 7/2015-6/2020)	TAMUG	Year 1 ~ 72K+ Year 2 ~ 120K+
Evaluation of Ike Dike Concept	Bay Area Coastal Alliance	Year 1 ~ 99K
MarTREC (UTC, USDOT), Tier 1 Center (3 years @ 200K/year, 2013-2016)	U. Arkansas	Year 1 ~ 200K
Maritime Transportation and Research Center (UTC, USDOT) (5 years @ 200K/year, 2016-2021), Tier 1 Center	U. Arkansas	Year 2 ~ 200K
Southeastern Transportation Research, Innovation, Development and Education Center (UTC, USDOT) (5 years @ ~200K/year, 2016-2021), Regional Center	U. Florida	Year 2 ~ 200K

Education Work and Accomplishments



MS Engineering
(Coastal Engineering)

December 9, 2016

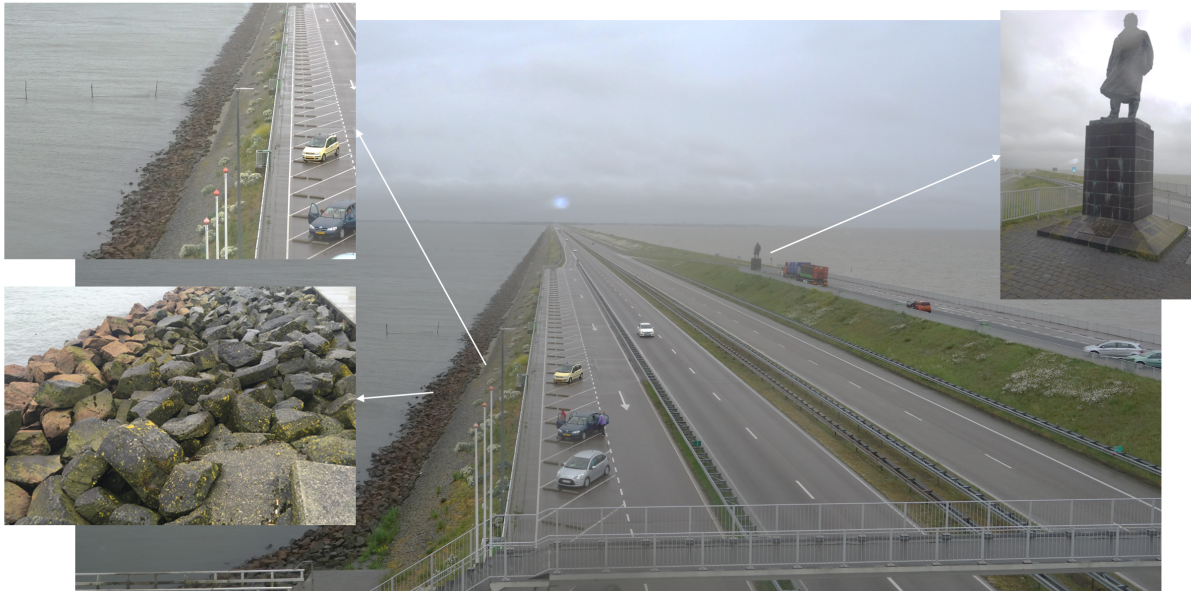
DHS Workforce
Development Grant

Education Work and Accomplishments



Overview of the four different water sections.

Education Work and Accomplishments



The Monument location looking south of the Afsluitdijk.



The Monument location at the middle. On the top left the blue structure showing the history of the Afsluitdijk. On the right showing the basalt revetment near the statue.

Education Work and Accomplishments



Seaside slope viewing South of Afsluitdijk



Seaside slope viewing North of Afsluitdijk

Education Work and Accomplishments



Education Work and Accomplishments



Education Work and Accomplishments



Anticipated Project Impact

- HBCU (only) coastal engineering program
- Established pipeline of minority BS, MS, PhD coastal engineering graduates
- Institutionalized Coastal Engineering Program
 - BS Civil Engineering degree, coastal engineering track
 - MS Engineering degree, coastal engineering concentration
 - PhD Engineering degree, coastal engineering concentration
- Coastal engineering graduates in HSE (USACE, DOT's, DEQ's, FEMA, DHS, Industry)