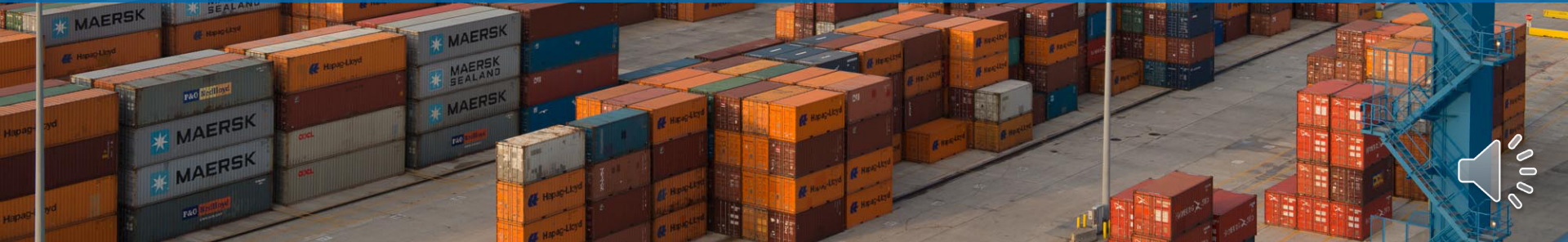


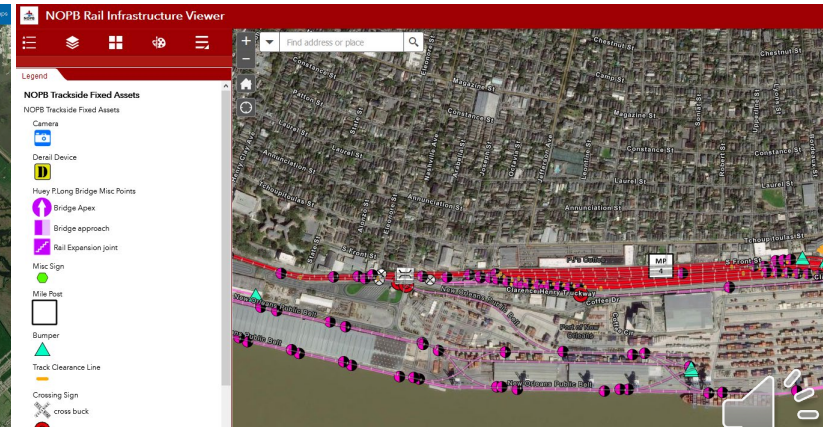
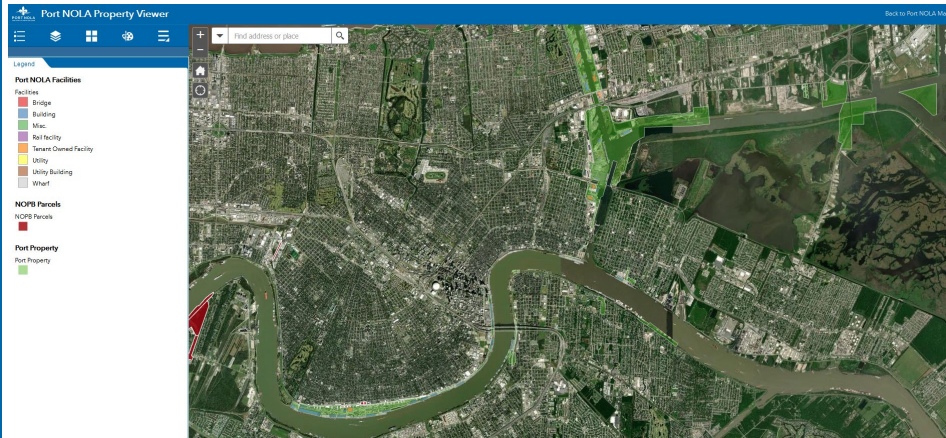


Utilizing Dashboards at Port NOLA



Port NOLA 101

- Our mission is to drive regional economic prosperity by maximizing the flow of international trade and commerce as a modern Gateway
- 4 integrated business lines: cargo, rail, industrial real estate & cruise
- Our jurisdiction encompasses 34 miles and three parishes
- We are the only deepwater port with six Class-I railroads



Project Overview

- Port Security Grant funding in FY15 & FY18
- 100 ArcGIS Enterprise named users, AGOL for public-facing content
- 6 Port departments & 4 NOPB departments contributed to the project
- Biggest stakeholders: Real Estate, Terminal Operations, Maintenance
- Next stages of GIS development:
 - Migration to cloud-hosting to improve long-term stability & scalability
 - Integration with records mgmt. system to enhance access/searchability of asset information and records
 - Real-time pilot projects that create a COP for operations & security





Professional Services

- Esri Silver Partner
- Awarded two competitively-bid contracts for professional services 2017-2019 & 2019-2022
- Data conversion and development
- Field data collection
- Enterprise geodatabase development
- Web and Mobile application development
- ArcGIS Enterprise management assistance



Hurricane Preparedness

- COP for floodgate closure status, tropical weather & river conditions



Hurricane Preparedness

- Functionality makes it quick & easy to locate gates & see impacts

Port NOLA Floodgate Status Dashboard

The dashboard features a map of the Gulf of Mexico and Caribbean region on the left. A central list displays the status of 15 floodgates, with E-05 highlighted in blue. A pop-up window for E-05 provides the following details:

- Gate Name:** E-05
- Location:** Across railroad tracks to American Marine Corp yard from Jourdan Rd (approx. 600 ft. south of Almonaster Ave.)
- Crossing:** Jordan Rd.
- Location:** (repeated)
- Rail, Vehicle, or Both:** Both
- Category:** NOPB
- Impacted Tenants:** NOPB
- Tenant Contacts:** (none listed)
- Additional Contacts:** (none listed)
- Priority:** (none listed)
- Maintenance Unit Impacted:** (none listed)
- Notes:** (none listed)
- Closure Status:** Open

At the bottom, a gauge shows the number of closures is 8 out of 45. Three panels display water levels:

- Mississippi River @ Carrollton: **14.76 ft**
- IHNC @ Seabrook: **1.22 ft**
- Lake @ Lake: **1.2**



Facility Finder

- Search functionality for Port assets with commonly used identifiers

The screenshot displays the 'Facility Finder' application interface. It features three main columns of asset lists: 'Addresses', 'Wharves', and 'Buildings'. The 'Addresses' column lists various street names and addresses, such as '1 ALABO STREET WHARF' and '5500 ALMONASTER AVENUE'. The 'Wharves' column lists street names, including 'Alabo Street' and 'Andry Street'. The 'Buildings' column lists facility names, such as 'CONTAINER TERMINAL GATEHOUSE' and 'NASHVILLE AVENUE B WHARF SHED'. A search bar is visible at the top left of the interface.

An aerial satellite view of a port facility is shown on the right side of the interface. A yellow line highlights a specific area, and a data popup window is overlaid on the view. The popup window is titled 'NASHVILLE AVENUE B WHARF SHED' and contains the following information:

Damage Assessment ID	EBR160
Damage Assessment Zone	A
Facility	NASHVILLE AVENUE B WHARF SHED
Category	Building
SubCategory	Transit shed
Full Address	5400 TERMINAL DR, NEW ORLEANS, LA 70115

At the bottom of the popup, it states: 'Last edited by cloosm_PONO on 7/13/2020, 5:17 PM.' The aerial view also shows other facilities labeled with addresses like '5355 COFFEE DR', '5240 COFFEE DR', '5115 COFFEE DR', '5200 COFFEE DR', '5290 COFFEE DR', '5115 TERMINAL DRIVE', '5400 TERMINAL DR', and '5200 TERMINAL DRIVE'.

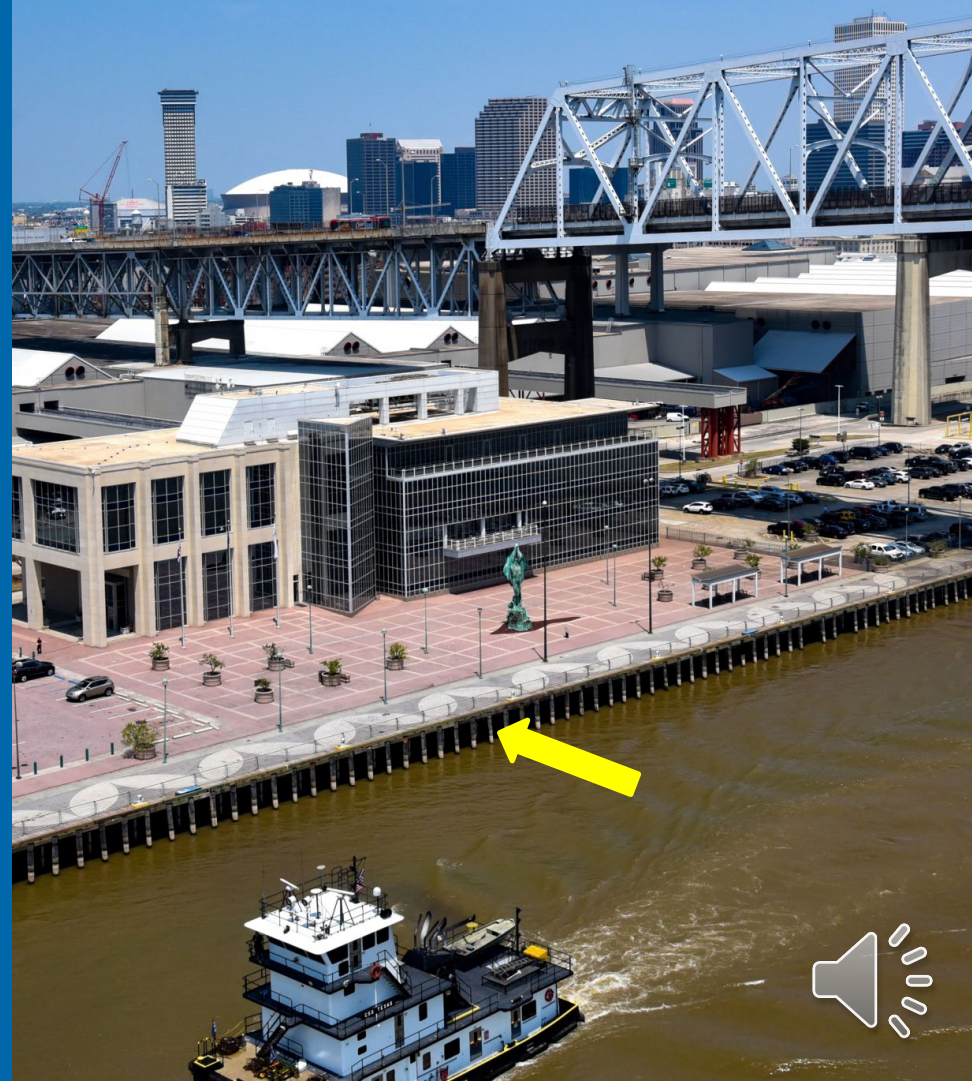
State of the Gateway

- High-level breakdown of major projects & related permit activities



Fender Pile Inspections

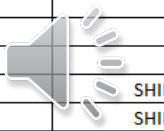
- Constructed of timber or composite material
- Cushion a wharf (dock) from the impact of ships
- Protect the outer row of load-bearing piles
- Protect the hulls of ships from abrasion



Fender Pile Inspections

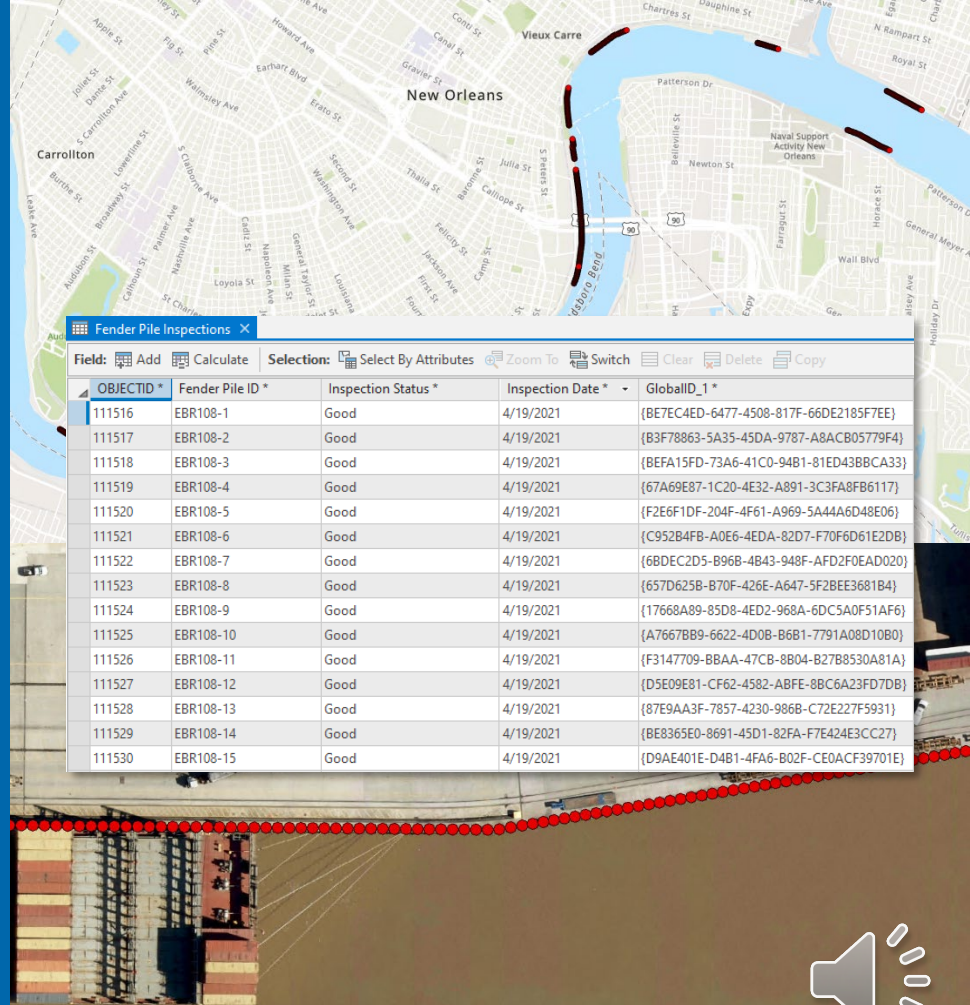
- Routine inspection for missing or broken piles
- 3,204 total piles inspected
- Inspection performed via boat
- Conditions document on paper checklist due to speed of inspection
- Data entered into Excel spreadsheet by inspector
- Spreadsheet format matches inspection table schema

Fender_Pile_Number	Fender_Pile_ID	Inspection_Status	Inspection_Date	CO
1	EBR108-1	good	4/19/2021	
2	EBR108-2	good	4/19/2021	
3	EBR108-3	good	4/19/2021	
4	EBR108-4	good	4/19/2021	
5	EBR108-5	good	4/19/2021	
6	EBR108-6	good	4/19/2021	
7	EBR108-7	good	4/19/2021	
8	EBR108-8	good	4/19/2021	
9	EBR108-9	good	4/19/2021	
10	EBR108-10	good	4/19/2021	
11	EBR108-11	good	4/19/2021	
12	EBR108-12	good	4/19/2021	
13	EBR108-13	good	4/19/2021	
14	EBR108-14	good	4/19/2021	
15	EBR108-15	good	4/19/2021	
16	EBR108-16	good	4/19/2021	
17	EBR108-17	good	4/19/2021	
18	EBR108-18	good	4/19/2021	
19	EBR108-19	good	4/19/2021	
20	EBR108-20	good	4/19/2021	
21	EBR108-21	good	4/19/2021	
22	EBR108-22	good	4/19/2021	
23	EBR108-23	good	4/19/2021	
24	EBR108-24	good	4/19/2021	
25	EBR108-25	good	4/19/2021	
26	EBR108-26	good	4/19/2021	
27	EBR108-27	good	4/19/2021	
28	EBR108-28	good	4/19/2021	
29	EBR108-29	good	4/19/2021	
30	EBR108-30	good	4/19/2021	
31	EBR108-31	good	4/19/2021	
32	EBR108-32	good	4/19/2021	
33	EBR108-33	good	4/19/2021	
34	EBR108-34	good	4/19/2021	
35	EBR108-35	not inspected	4/19/2021	SHI
36	EBR108-36	not inspected	4/19/2021	SHI
37	EBR108-37	not inspected	4/19/2021	SHI



Fender Pile Inspections

- Point feature class for pile locations
- Table for inspection data
- Over 38,000 inspection records to-date
- SQL views created to join inspection data with pile locations
- Dashboard created for management and visibility of inspections.



Current Inspection Status (sorted by % Missing / Broken)

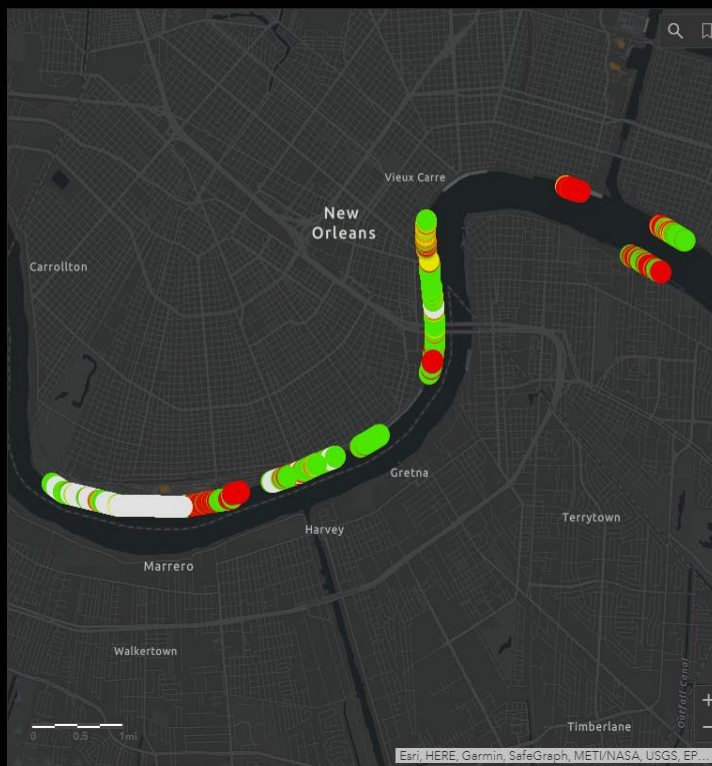
Wharf Name	Total	Not Inspect	Good	Part Dmg	Miss Att	Miss/ Brkn
Poland Avenue PortNOLA	120	0	2	8	0	110 (91%)
Napoleon Avenue C	160	0	33	0	0	127 (79%)
Hines Lane	202	0	93	0	0	109 (53%)
Milan Street	156	0	77	1	0	78 (50%)
Napoleon Avenue B	94	0	51	1	0	42 (44%)
Bienville Street Upstream	187	4	45	61	3	74 (39%)
Orange Street	101	0	68	0	0	33 (32%)
Robin Street	124	0	72	10	2	40 (32%)
Alabo Street	176	0	92	28	0	56 (31%)
Louisiana Avenue	180	59	78	9	0	34 (18%)
Harmony Street	115	25	63	15	1	11 (9%)
Poydras Street	101	0	90	2	0	9 (8%)
Seventh Street	93	23	58	6	0	6 (6%)
Erato Street	129	0	110	12	0	7 (5%)
Nashville Avenue A	284	173	77	18	0	16 (5%)
Thalia Street	127	0	106	15	0	6 (4%)
Julia Street	187	55	114	13	1	4 (2%)
First Street	127	0	124	0	1	2 (1%)
Henry Clay Avenue	87	46	41	0	0	0 (0%)
Nashville Avenue B	190	181	4	5	0	0 (0%)
Nashville Avenue C	150	150	0	0	0	0 (0%)
Napoleon Avenue A	114	114	0	0	0	0 (0%)

Total Piles Inspected: 3,204

Material	Good	Partially Damaged	Missing Attachments	Missing / Broken	Total
Wood	533	1,348	204	8	762
Composite	297	50	0	0	2

Inspection Status

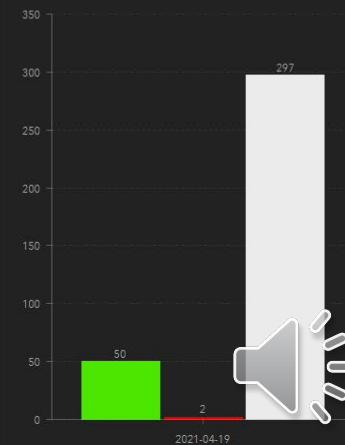
- Good
- Partially Damaged (no action)
- Missing Attachments (hardware replacement)
- Missing / Broken (needs replacement)
- Not Inspected



Wood



Composite



Thank you!



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