

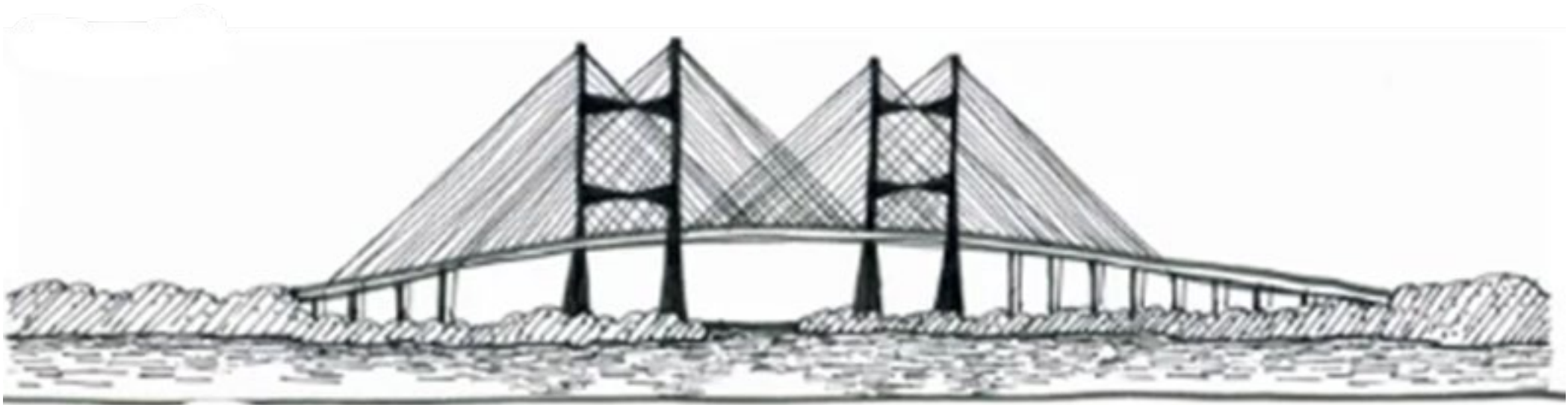
Council Auditor Handout for Bill 2024-209

Summary of Funding Transfer

Transferring From:		
CD	Project	Amount
1	University Blvd & Jack Rd.	401,144.61
2, 3	Kernan Blvd Wide - 4 lns Divided - JTB & McCormick	6,875,000.00
4	St. Johns Bluff Rd. - New Sidewalk ES	972,341.68
4	St. Johns Bluff Rd. - New Sidewalk WS	216,859.99
5	San Jose Blvd. - New	454,902.34
7	McCoys Creek Improvements/pipe removal	712,302.81
7	Emerald Trail - S-Line Connector	450,000.00
8	Biscayne Blvd Sidewalk - New	1,380,292.98
12	Hammond Blvd. Wall	91,294.00
14	Shindler Dr. - 103rd to Argyle Forest	6,875,000.00
Total		18,429,138.41

Transferring To:		
CD	Project	Amount
4	St. Johns Bluff Rd. - New Sidewalk ES	284.46
4	St. Johns Bluff Rd. - New Sidewalk WS	653.47
7	Park St. Road Diet	6,875,000.00
7	McCoys Creek Greenway - Outfall Improvements with Riverwalk	712,322.81
7	Emerald Trail Model Mile	1,440,301.35
7, 9	McCoys Creek Channel Improvements/Restoration	651,800.90
8	Biscayne Blvd Sidewalk - New	428.30
8	Ranch Road - Duval to Tradeport Sidewalks	57,036.00
8	Armsdale Rd. - Duval Rd. Improvements	400,000.00
8	Duval Rd. Improvements - Between Airport Center & Main	889,007.38
14	Shindler Dr. - 103rd to Argyle Forest	6,875,000.00
N/A	<i>Return of Funds to Account of Origin</i>	527,303.74
Total		18,429,138.41

FDOT DISTRICT 2 BRIDGES



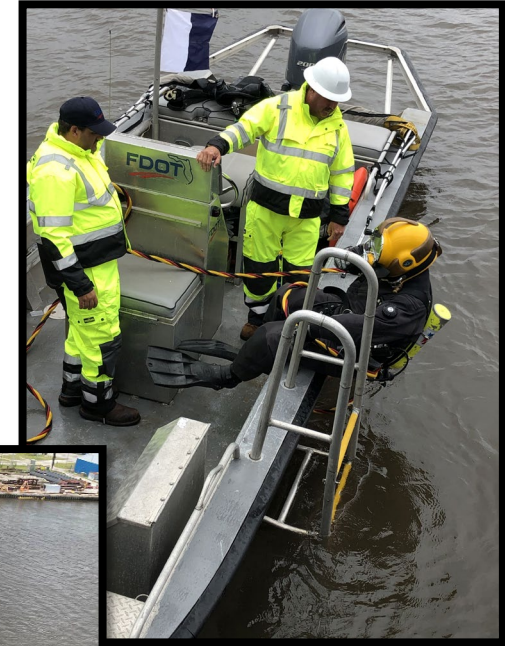
Ross Hammock, P.E.
District Structures Maintenance Engineer



Florida Department of Transportation

BRIDGE INSPECTION & MAINTENANCE PROGRAM

- FDOT has a robust bridge inspection and maintenance program.
 - 1330 State Bridges in District 2
- All Bridges are inspected from top to bottom every two years.
- As a result of the inspections, maintenance and repairs are scheduled and completed.
- Approximately \$18M programmed yearly on repair and rehabilitation on District 2 state bridges.



BRIDGE INSPECTION & MAINTENANCE PROGRAM

- Movable Bridges
 - Inspected Yearly.
 - All mechanical and electrical elements.



FDOT DISTRICT 2 BRIDGE SAFETY FEATURES

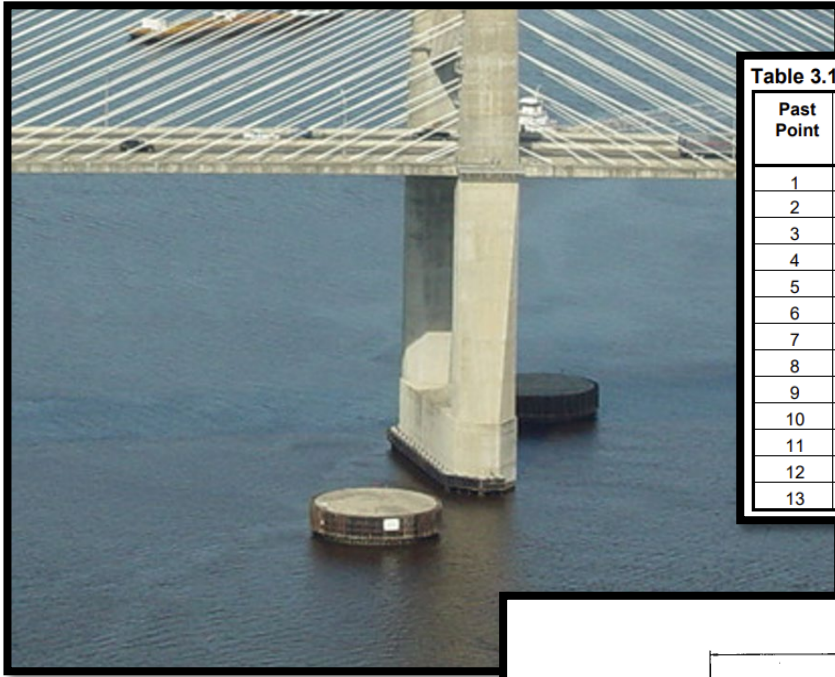


Table 3.14.2-1 Table of Past Points and associated Minimum Energies

Past Point	Minimum Energy (k-ft)	Past Point	Minimum Energy (k-ft)	Past Point	Minimum Energy (k-ft)	Past Point	Minimum Energy (k-ft)
1	466	14	201	27	455	40	273
2	437	15	445	28	199	41	248
3	205	16	557	29	199	42	179
4	233	17	571	30	233	43	179
5	213	18	434	31	423	44	190
6	218	19	2426	32	206	45	190
7	218	20	244	33	218	46	199
8	492	21	237	34	188	47	261
9	179	22	179	35	218	48	261
10	54	23	412	36	221	49	206
11	54	24	199	37	273	50	209
12	54	25	458	38	1387	51	208
13	254	26	479	39	2426	52	208

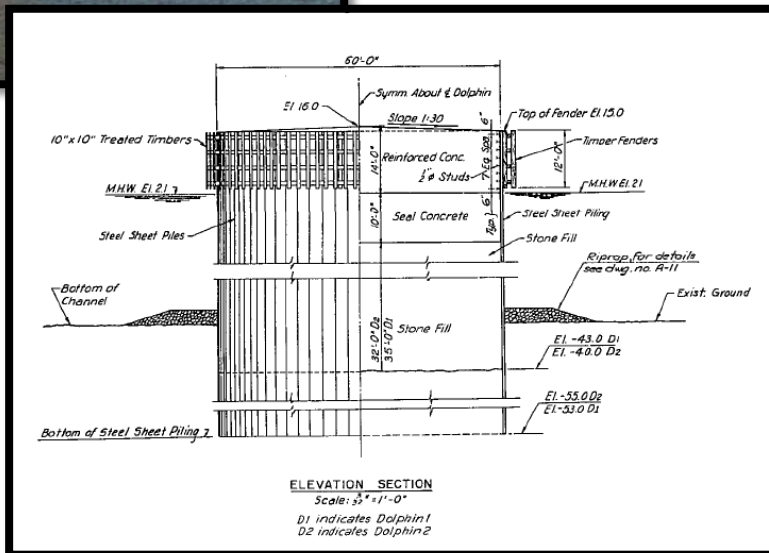
Bridge Protection Systems

• Fender Systems

- Required for bridges over navigable water ways.
- Designed to redirect and absorb collision energy.
- Design based on Past Points.
 - Minimum Energy Absorption
 - FDOT SDG Table 3.14.2-1

• Dolphin Systems

- Large Concrete structures
 - Sheet pile construction.
 - Backfilled with stone and capped with concrete.
- Used at Bridges located at Port Facilities.
 - FDOT SDG 3.14.1 C



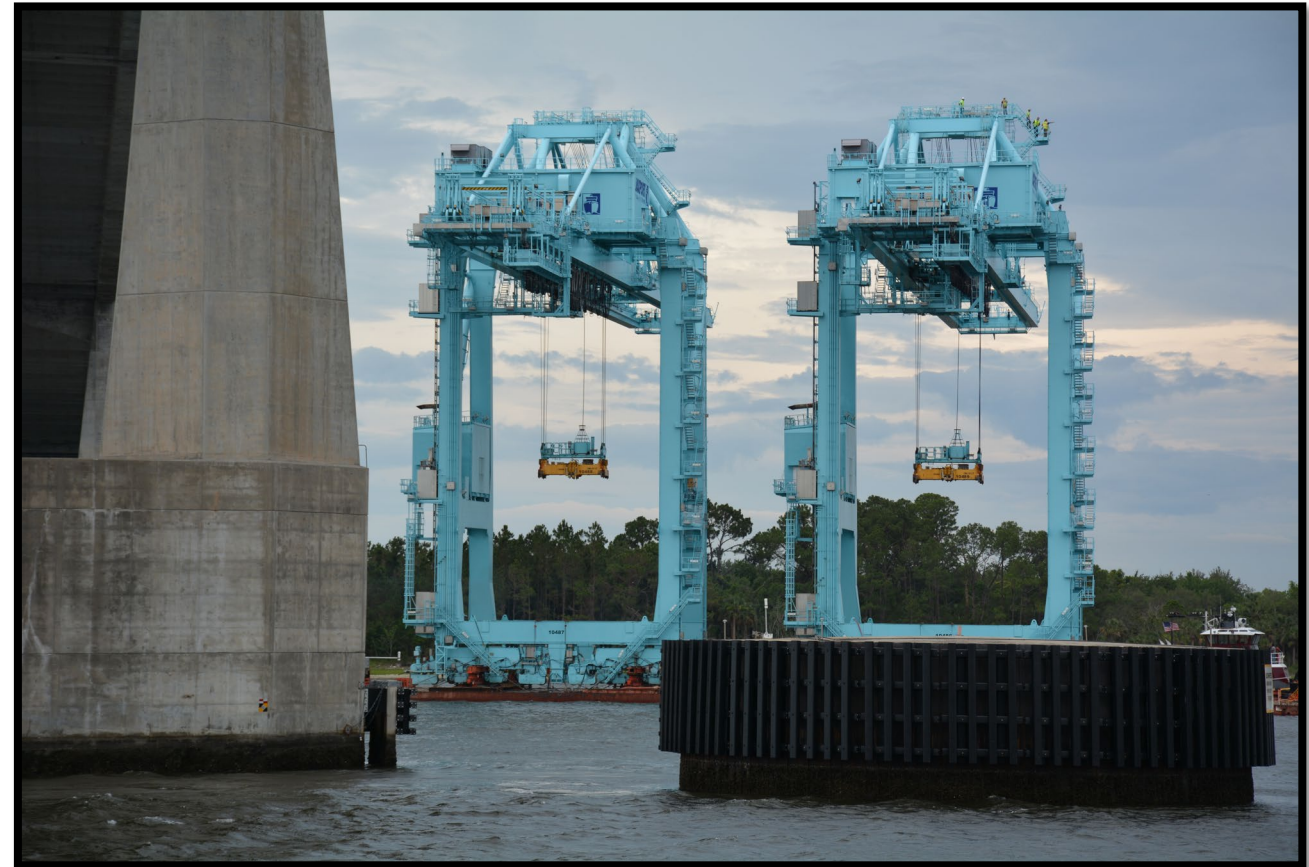
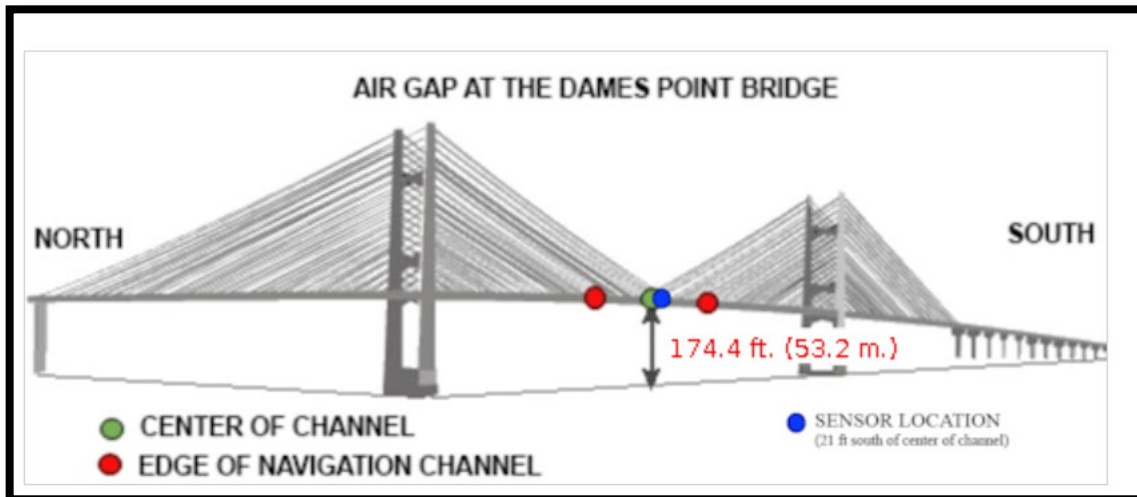
FDOT DISTRICT 2 BRIDGES

Dame Point Bridge

- Built in 1989

Protections in Place

- Fender System
- Dolphin System
- Air Gap Monitor



FDOT DISTRICT 2 BRIDGES



FDOT MAJOR JAX BRIDGES

- Jacksonville is a Maritime City and FDOT has taken that into account.



FDOT DISTRICT 2 BRIDGES RECAP

- Bridges are designed with safety in mind.
- Protections are put in place.
 - Fender Systems
 - Dolphin Systems
 - Air Gap Monitors
- Ultimate safety of the water way is dependent on the maritime operator.
- Unfortunately, even North Florida isn't a stranger to catastrophic maritime accidents – 2013 Mathews Bridge

FDOT DISTRICT 2 BRIDGES



FDOT DISTRICT 2 BRIDGES



DON'T FIT
DON'T COMMIT

