# Maintaining MomenTAM March 31, 2021





## **TAM Updates**

# 2021 TAM Roundtable: Save the Date: June 22, afternoon EST

• Executive Panel

### **Updated Narrative Report Template**

 Updated <u>"NTD Narrative Report Template"</u> is available on the TAM website under "featured resources"



## **Speakers**



### **Denver RTD**

• Lou Cripps



### **Casco Bay Lines**

- Hank Berg
- Paul Pottle



## Did your 2020 feel similar?

#### **Reduced Service Levels**

#### DP The Denver Post

RTD to suspend fares, halt downtown shuttle amid coronavirus pandemic

RTD to suspend fares, halt downtown shuttle amid coronavirus ... Starting Sunday, RTD will stop charging fares for bus or train service, ... Apr 3, 2020

#### Work From Home

#### DP The Denver Post

RTD faces serious headwinds as transit agency begins long crawl out of coronavirus' grip



For the first time since RTD dramatically curtailed service in the face of the ... Street; and the 40, which runs along Colorado Boulevard in east Denver. ... Jaquez said 11 RTD employees have contracted COVID-19 so far, and ... May 26, 2020

#### **Outside Accountability Committee**

MassTransitMag.com

Denver RTD to collaborate with independent accountability ...

Denver RTD needs more regional support and understanding than ever, ... overhaul required by COVID-19 pandemic fallout, said Denver RTD ... Jun 19, 2020

#### Budget Cuts & Layoffs

#### MassTransitMag.com

Sep 9, 2020

Denver RTD plans budget, staff reductions to face financial ... Denver RTD is currently carrying about 40 percent of its pre-COVID-19 level of ridership. Denver RTD. The Denver Regional Transportation ...



#### Continued Pressure to Expand

E Colorado Public Radio

Polis Says RTD Still Must Build Boulder Train In Spite Of ...

Polis Says RTD Still Must Build Boulder Train In Spite Of Coronavirus ... on its promise to build a rail line from Denver to Boulder and Longmont. Jun 17, 2020



#### **COVID Relief Funding**

#### PR Progressive Rail Roading

Rail News - RTD-Denver anticipates \$200 million in COVID

...

RTD-Denver anticipates \$200 million in COVID-19 relief. The Federal Transit Administration announced the federal funding as part of the \$14 ... Jan 14, 2021



### **Did COVID-19 change Transit Asset Management?**

### Constraints

"...the SGR grants alone <u>will not be</u> <u>enough</u> to address the backlog."

"In these financially constrained times, transit agencies will need to be <u>more</u> <u>strategic</u> in the use of all available funds."

FTA 49 CRF Parts 625 and 630 https://www.govinfo.gov/content/pkg/FR-2016-07-26/pdf/2016-16883.pdf

#### Stewardship

"MAP-21 fundamentally <u>shifted the focus</u> of Federal investment in transit to emphasize the need to maintain, rehabilitate, and replace existing transit investments."

TAM fundamentals still remain the same.



# **MomenTAM Amid Crisis**

Lou Cripps – Senior Manager, Asset Management

Regional Transportation District Denver

Lou.Cripps@RTD-Denver.com

#### Setting the Stage

Did your 2020 feel similar? Did COVID change TAM?

#### **Trust the Plan**

Management System Framework Continuous Improvement Generational Approach

#### **MomenTAM Amid Crisis**

Leverage the Plan Takeaways



# **Trust the Plan**

Management System Framework

Continuous Improvement

Generational Approach

### Trust the Plan – Management System Framework

#### 1 – Asset Inventory

- 2 Condition Assessments
- 3 Decision Support Tools
- 4 Prioritized List of Investments
- 5 TAM & SGR Policy
- 6 Implementation Strategy
- 7 Key Annual Activities
- 8 Identification of Resources
- 9 Evaluation Plan

### **Coordination of Activities**

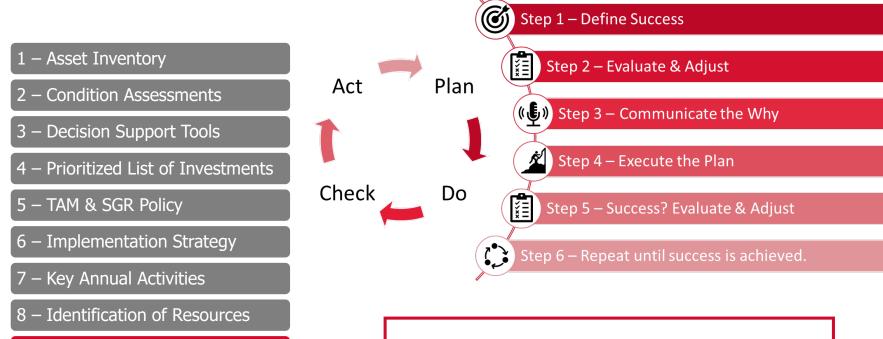
A management system is the way in which an organization manages the interrelated parts of its business in order to achieve its objectives.

Management system standards help organizations improve their performance by specifying repeatable steps that organizations consciously implement to achieve their goals and objectives, and to create an organizational culture that reflexively engages in a continuous cycle of self-evaluation, correction and improvement of operations and processes through heightened employee awareness and management leadership and commitment.





## Trust the Plan – Continuous Improvement



Being compliant is committing to continually improving your TAM Plan

- Evaluation Plan

### Trust the Plan – Generational Approach

- 1 Asset Inventory
- 2 Condition Assessments
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Working on the 4<sup>th</sup> iteration of the TAM Plan

### Trust the Plan – Prioritized List of Projects

- 1 Asset Inventory
- 2 Condition Assessments
- 3 Decision Support Tools
- 4 Prioritized List of Investments
- 5 TAM & SGR Policy
- 6 Implementation Strategy
- 7 Key Annual Activities
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#### **Action Plan**

• ...is the product of the other eight elements of our TAM Plan and, ultimately, the action plan.

#### Shovel Ready Projects

• ...is used as a picklist for shovel ready projects when/if funds became available.

#### **Grant Opportunities**

 ...was used as a picklist for a recent infrastructure grant opportunity.

#### Collaborative

 ...was created using a cross functional team of subject matter experts (one step below senior leadership team).

#### **Fiscal Policy**

• Priority will be given to asset renewals over expansion & the TAM Plan will be the source.



# **MomenTAM Amid Crisis**

Trust the Plan

### MomenTAM Amid Crisis – Leverage the Plan

### 2020 in 5 steps

1. What do the revenue projections look like?

\$260 Million Dollar Short Fall was identified & the COVID Fiscal Sustainability Taskforce was formed.

#### 2. What should be cut from the budget?

Service, asset renewals & administrative overheard.

#### 3. Which area has a plan we can trust?

RTD's TAM Plan – Prioritized List of Investments

#### 4. Were adjustments made to the plan?

Absolutely because our plan was not optimized for a pandemic

#### 5. On to other matters.

### Why was the plan easy to trust?

#### Management System Framework

• Components, process, and systems are transparent

#### **Continuous Improvement**

More Accurate / Higher Resolution

#### **Generational Approach**

Sustain MomenTAM

Having a trusted plan was uneventful.

### MomenTAM Amid Crisis – Takeaways

#### Fundamentals did not change

- Our needs far outweigh available resources
- We need to be more strategic using available funding
- Systematically managing backlog is mandatory

#### **Objectives did not change**

Our purpose is to move people

#### Work your plan & stay focused

- Everything else is a trap!
- Distraction waits on every corner!





# **MomenTAM Amid Crisis**

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#### **Trust the Plan**

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#### **MomenTAM Amid Crisis**

Leverage the Plan Takeaways



# Thank you.

rtd-denver.com

March 31, 2021

# **Maintaining MomenTAM**

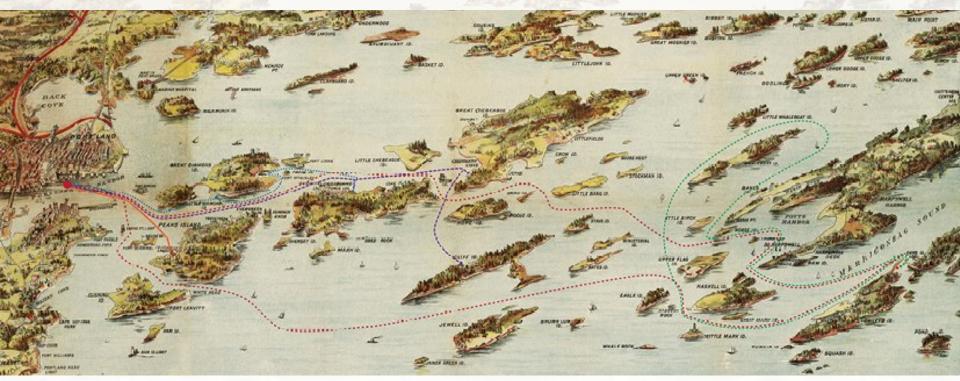
AUCOCISCO III

Casco Bay Lines March 31, 2021

Hank Berg, General Manager Paul Pottle, Director of Projects



# Service Area: Casco Bay, Maine



- Lifeline passenger, freight & vehicle service to six islands in Casco Bay
  Portland's Peaks, Little Diamond, Great Diamond & Cliff islands
  Towns of Long & Chebeague islands
- Seasonal service to Bailey Island in Harpswell
- Serving island residents, tourists, visitors, contractors, businesses, mail, school children, commuters, etc.

# Organization

- Have a 12 Member Board of Directors
  - 3-year terms
  - IO elected from the islands served
  - 2 appointed (I State, I City of Portland)
- Oversight from Several Organizations
  - United States Coast Guard
  - Public Utilities Commission
  - Department of Homeland Security
  - Federal Transit Administration

# **CBL TAM Plan Assets**

# **5** Primary Vehicles - Ferries

# Freight Equipment

# **CBL TAM Plan Assets**



### Terminal Facility on the Mainland

### Pier Facilities on Mainland & Each Island

# Asset Breakdown

- Need to break down primary assets in smaller elements
- Ferries

Main Engines - Gear Boxes - Generators - Radars Radios - Elevators/Lifts - Controls



# Asset Breakdown

### • Piers

Fender Systems - Moveable Gate Ramps - Motors Vehicle Transfer Bridge - Pumps

### Freight Equipment

Cranes - Forklifts - Cargo Van - Misc. Freight Equipment



# **TAM Plan Purpose**

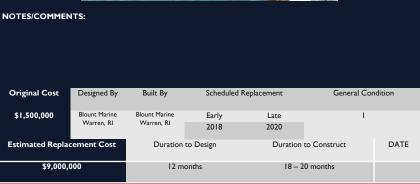
- Needed to be simple and understandable
- Needed to be useable by different groups/staff
- Needed to be effective with changing members
- Needed to help meet various oversight requirements

# **MomenTAM – How We Use**

- New Staff Familiarity
  New Maintenance Manager
- Board Member Education
  & Prioritization
  - At Least 3 Members up for Re-election Every Year
  - Board Sets Direction/Priorities
- Capital Planning
  Short Range
  Long Range

		-				
Vessel Name	Length	Beam	Draft	Gross Tonnage	Top Speed	Year Built
Machigonne II	122 feet	37 feet	8 feet	88	10.5 Knots	1987
Vessel Capacity	Engines (Current Hrs.)	Vessel Classification	Elevator	Freight Crane	Last Coast Guard Certification	Generators
399 Passengers 12 Vehicles	2 CAT Diesels	Sub-Chap K	Yes	No	2018	2
# of Restrooms (Heads)	# of Props	Size of Props	ADA Accessible	Engines Rebuilt (Year)	Engines Replaced (Year)	ULB
4	2	46 x 41	Yes	2014	2002	30





## **MomenTAM – How We Integrate**

- Maintenance
  - Paper Logs/Records
  - Perceived Coast Guard Expectations
- Led to Adoption of a PM Software System
  - Electronic Records
  - Automated Scheduling of Tasks
  - Tracking
  - Tied to Financial System

# **MomenTAM – How We Integrate**

- Historic Performance Records
  - Harsh Marine Environment

- Predictable Failures
- Coast Guard Compliance for Certifications

Asset Category	Asset Class	Asset Location	Make/Model
Equipment	Engine (Starboard)	Aucocisco III	Detroit Diesel Series 60
Serial #	Year Put in Service	Purchase Price	Year Re-Built/Overhauled
O6R0792508	2006	N/A	2013
Useful Life Benchmark	Condition Rating		
15 yrs.	4		

Notes: Should go 20,000 to 25,000 hours and then may need to re-build, not replace. The original should last for the life of the vessel, just needs to be re-built several times to replace worn parts.



Planned Replacement	Est. Replacement Cost	Year Replaced	Method of Disposition
2028	\$80,000		Discard

# MomenTAM – How We Integrate Preventative Maintenance System

- Task Identification
- Easy Assignments to Staff
- Tracks Work Progress & Completion

- Accountability
- Establish Future Maintenance Intervals
- Electronic Records

ASSET CATEGORY	ASSET CLASS	ASSET NAME/ LOCATION	MAKE/ MODEL	ID NO.	IN SERVICE YEAR	ULB (Yrs.)	YEAR TO BE REPLACED	CONDITION ASSESSMENT
Rolling Stock	Ferry Vessel	Machigonne II	Vehicle/Pass	122' Ferry	1987	30	2019	I
Rolling Stock	Ferry Vessel	Bay Mist	Passenger	85' Ferry	1985	30	2025	2
Rolling Stock	Ferry Vessel	Maquoit II	Passenger	98' Ferry	1994	30	2024	2
Rolling Stock	Ferry Vessel	Aucocisco III	Passenger	110' Ferry	2005	30	2035	4
Rolling Stock	Ferry vessel	Wabanaki	Passenger	110' Ferry	2013	30	2043	5
Equipment	Van	Cargo	Dodge	3C6TRVBG2HE530300	2017	7	2024	5
Equipment	Forklift	Freight Area	Toyota 8FGU25	71871	2016	10	2026	5
Equipment	Forklift	Freight Area	Toyota 8FGU25	71845	2016	10	2026	5

# **MomenTAM – How We Integrate**

- TAM Plan Captures
  Capital Costs
- Assisted with PM Software System Population
- Assist with Yearly Reporting
- Eventually Desire to Connect the Two System to Populate Vital Information.

ASSET CATEG ORY	ASSET NAME	YEAR OF REPLACEM ENT	REPLACEM ENT COST
Equipme nt	Aucocisco Port & Starboard Generators	2018	80,000
Equipme nt	Aucocisco Port & Starboard Radios	2018	1,300
Equipme nt	Machigonne Port Generator	2019	40,000
Rolling Stock	MV Machigonne II*	2020	9,000,000
Equipme nt	Aucocisco Port & Starboard Reverse Gears	2021	100,000
Equipme nt	Gate I Ramp Winch	2022	25,000
Equipme nt	Gate 2 Ramp Winch	2022	25,000
Equipme nt	Pontoon Pumps (both)	2023	6,000
Equipme nt	Wabanaki Electronic Controls	2023	45,000
Equipme nt	Wabanaki Port & Starboard Radars	2023	20,000
Equipme nt	Wabanaki Port & Starboard Radios	2023	1,300
Equipme nt	Wabanaki Port & Starboard Generators	2023	80,000
Rolling Stock	MV Maquoit II*	2024	7,500,000
Equipme nt	Cargo Van	2024	46,000
Equipme nt	Machigonne Starboard Generator	2024	40,000

# **MomenTAM – IT WORKS!!**

- TAM Plan is and will be a Work in Progress
- TAM Plan is:
  - A Tool for Tracking
  - A Way of Prioritization
  - A Means of Educating
  - A Way to Maintain a State of Readiness

# Make Your TAM Plan Work for You!