

Chatham Municipal Airport Overview

**Finance Committee Meeting
January 7, 2016**



CQX

CQX Historical Overview

- Late 1920s - eight parcels (103 acres) were assembled by Wilfred Berube for an airfield
- Owned and operated privately in the 1930s
- Massachusetts Aeronautics Commission approved commercial use in 1940
- In 1949, the Town acquired the property and the Chatham Airport Commission was created establishing a municipal airport

Governance/Operation

- Airport Commission authority to manage, operate and maintain CQX is derived from MGL Chapter 90, Sections 51D-51M
- Daily onsite management is provided via the Airport Management Services Agreement
- Recognition in the Federal Aviation Administration's (FAA) National Plan of Integrated Airport Systems (NPIAS) makes CQX eligible for Airport Improvement Program (AIP) funding

Funding Overview

- Airport Manager/Fixed Based Operator (FBO) pays to use the facility
- Airport lease payments fund the Airport Revolving Fund
- Funding for airport infrastructure, navigation aids and planning projects are typically eligible for AIP funding with 90% Federal and 5% State funding match with 5% Town contribution

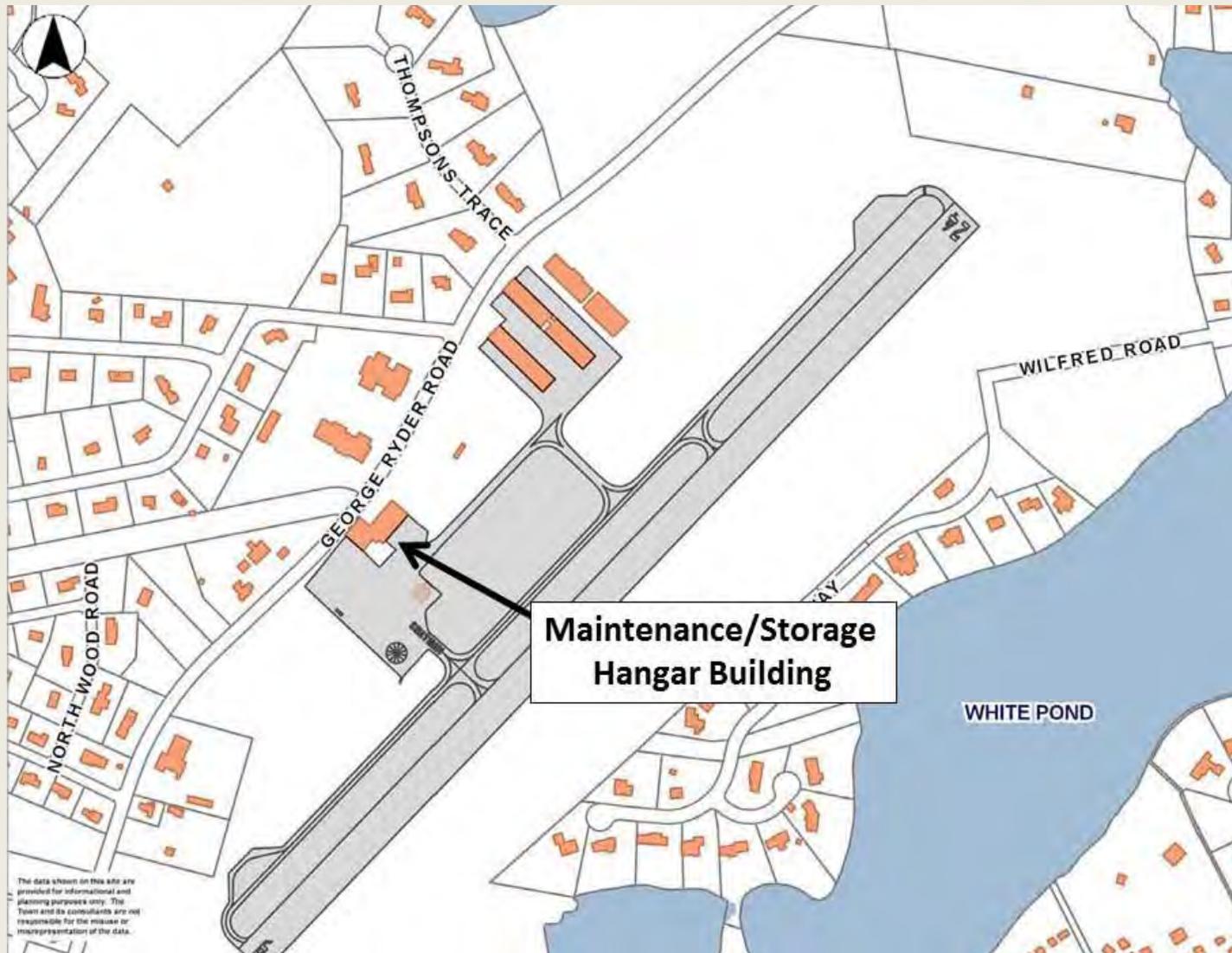
FY17-FY21 Capital Requests

- Items Not Eligible for AIP funding:
 - Building Maintenance
 - Non-Aviation Infrastructure
 - Compliance Items for Town Property/Buildings
- Town Shares for future AIP projects

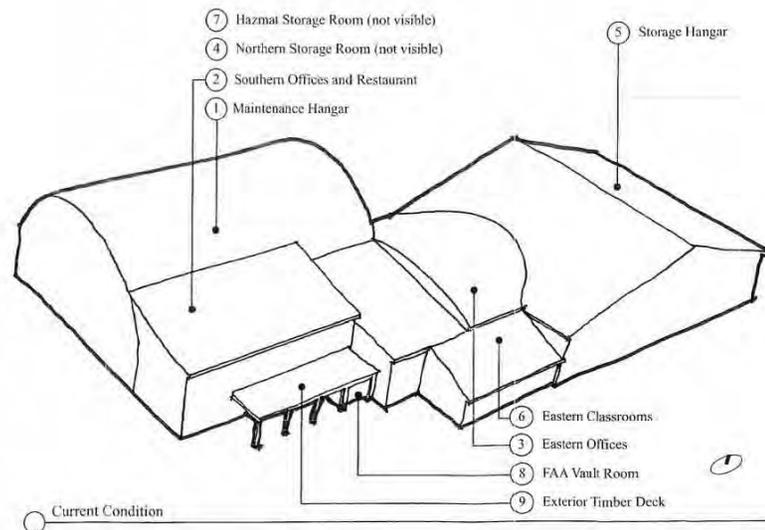
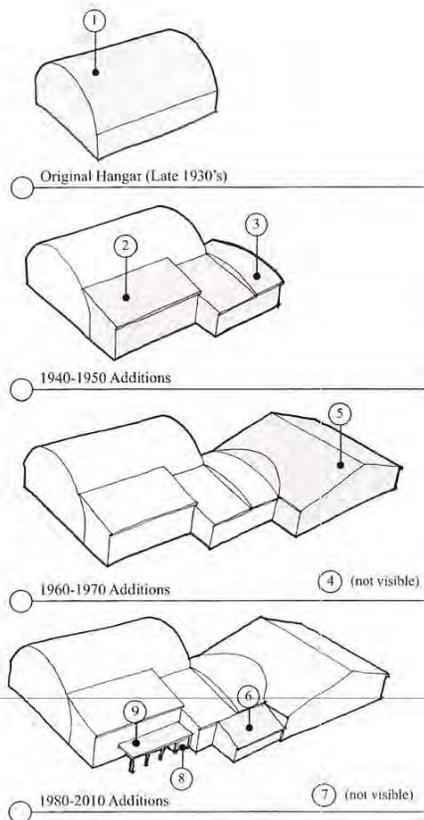
FY17 Capital Requests

Maintenance/Storage Hangar Structural Rehabilitation	\$160,000
Green Hangar Door Replacement	\$100,000
Stormwater Pollution Prevention Plan (SWPPP)	\$25,000
Bucket Loader w/Snow Blower & Broom (AIP Eligible – Town Share)	\$17,000
Total FY17 Capital Request	\$302,000

Maintenance/Storage Hangar Structural Rehabilitation



Maintenance/Storage Hangar Structural Rehabilitation

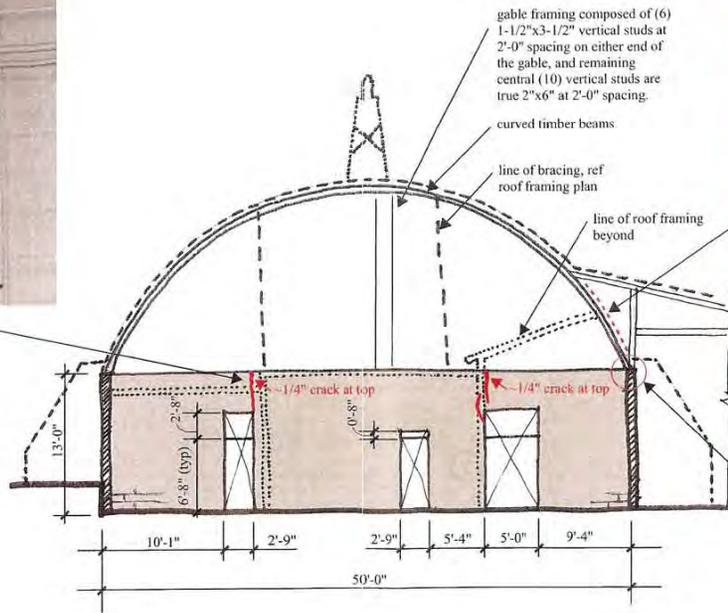


1 Expansion Diagram - Southern View
NTS

Maintenance/Storage Hangar Structural Rehabilitation



photo of cracking above door openings



original diaphragm removed at southern office/restaurant addition roof (photo above)



curved timber beams attached to double timber headers via bent steel angles and nails, header beams attached to CMU wall via 5/8" diameter bolts at 5'-0" spacing with 3"x3"x1/8" plate washer and 1"x1" square nuts.

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Maintenance Hangar Elevation - Northeastern

Scale: 1/8" = 1'-0"

Note: All dimensions are approximate



ARUP

MassDOT Airport Study | 232774

Chatham Municipal Airport (CQX)

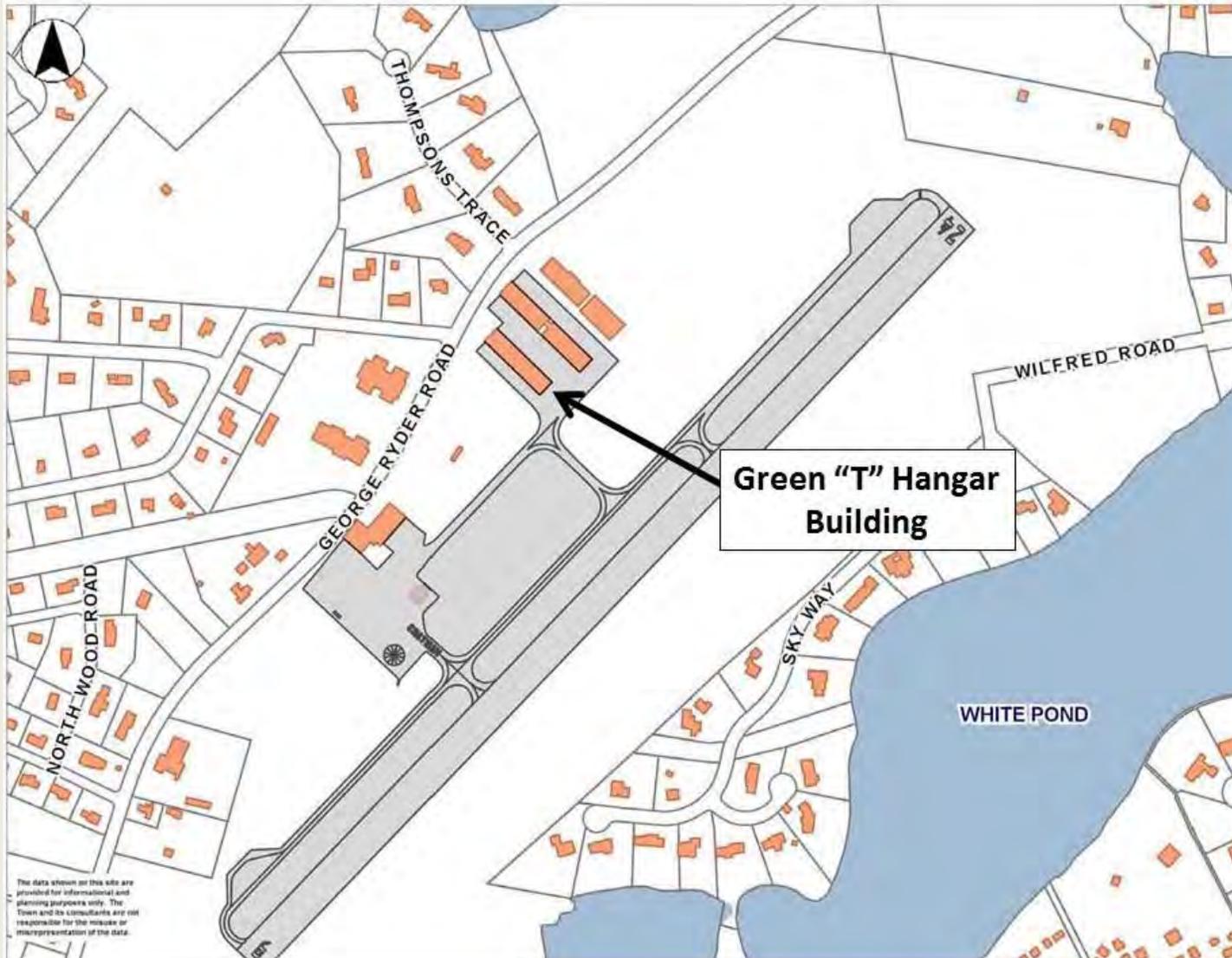
JH | 2014 March 21

Maintenance/Storage Hangar Structural Rehabilitation

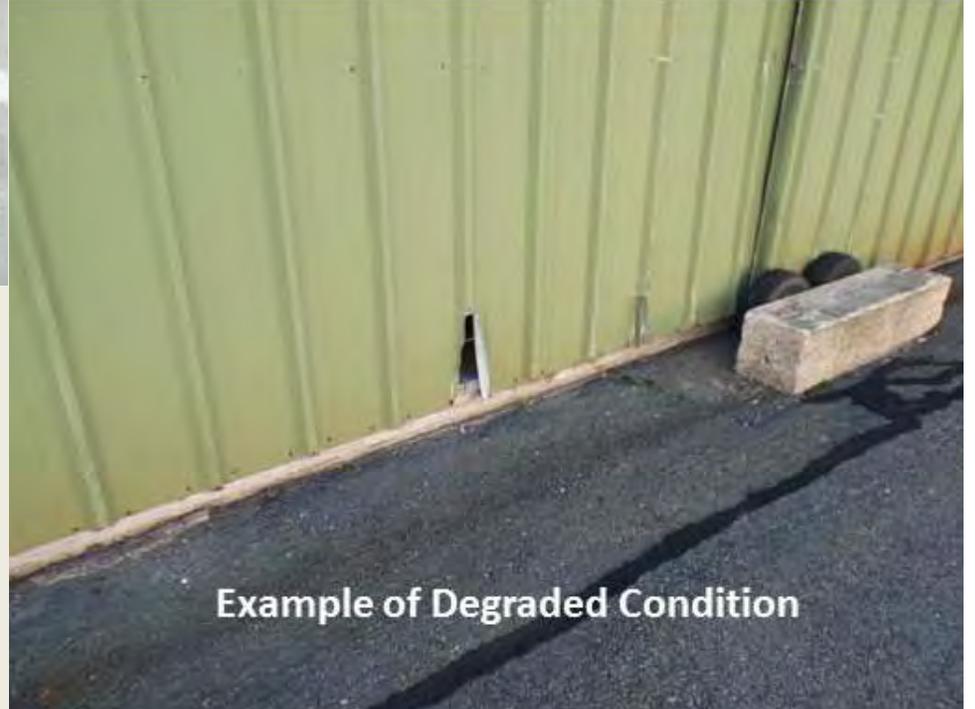
Project Budget: #17-02
Maintenance/Storage Hanger Structural Rehabilitation
Chatham Airport - 240 George Ryder Road

<u>Items</u>	<u>Costs</u>
Structural Improvements <i>As Identified in Fennick McCredie Structural Evaluation Report Commissioned by MassDOT</i>	\$130,000
Shell Improvements <i>Sheathing, Doors, Siding Materials Electrical Disconnects/Relocations Materials Installation by Town Staff</i>	\$12,000
Construction Contingency (10%)	\$14,000
Structural Certifications	\$1,000
Bid Documents, Procurement and Advertising	<u>\$3,000</u>
<i>Total Project Estimate</i>	<i>\$160,000</i>

Green Hangar Door Replacement



Green Hangar Door Replacement



Green Hangar Door Replacement



Green Hangar Door Replacement

Project Budget: #17-03
Green "T" Hangar Door Replacement
Chatham Airport - 240 George Ryder Road

<u>Items</u>	<u>Costs</u>
Remove and Install Track and Sliding Doors <i>All 9 Hangars (18 Doors Total)</i>	\$75,000
Concrete Apron Installation <i>Add along entire length of both sides of building</i>	\$15,000
Construction Contingency (10%)	\$9,000
Procurement and Advertising	<u>\$1,000</u>
<i>Total Project Estimate</i>	<i>\$100,000</i>

Stormwater Pollution Prevention Plan (SWPPP)



- Last Update - 2006
- Needs to be updated for full EPA Compliance
- Request - \$25,000

Bucket Loader w/Snow Blower & Broom



- Snow Removal Equipment Study by Commission confirmed equipment need
- AIP Eligible
- Cost Estimate
 - Federal Share - \$300,000
 - State Share – \$16,667
 - Town Share – \$16,667
- Request - \$17,000

FY17-FY21 Out Year Capital Items

FY19 – Airport Administration Building (State Funding Eligible – Town Share)	\$190,900
FY19 - Reconstruct Turf Tie-Down Area (AIP/State Funding Eligible – Town Share)	\$7,500
FY20 - Reconstruct Parallel and Stub Taxiways (AIP/State Funding Eligible – Town Share)	\$100,000

FY17-FY21 Out Year Capital Items

FFY	CIP PROJECTS	FAA FUNDING 90%	STATE FUNDING 5%	LOCAL FUNDING 5%	TOTAL PROJECT COST	NPE	Accrued NPE	PROJECT COMMENTS
2016	No Project	\$0	\$0	\$0	\$0	\$150,000	\$150,000	
FY 2016 Total		\$0	\$0	\$0	\$0	---	\$150,000	
2017	Purchase SRE: Bucket Loader w/ Snow Blower & Broom	\$300,000	\$16,667	\$16,667	\$333,333	\$150,000	\$300,000	use all NPE
FY 2017 Total		\$300,000	\$16,667	\$16,667	\$333,333	---	\$0	
2018	Planning Study (to include wildlife assessment & AGIS Approach Survey)					\$150,000	\$150,000	Use all NPE (cost undetermined)
	Taxiway/Taxilane Crack Repair & Sealing		Statewide					MassDOT/AD Project (ASMP)
FY 2018 Total		\$0	\$0	\$0	\$0	---	\$0	
2019	Reconstruct Turf Tie-Town Area	\$135,000	\$7,500	\$7,500	\$150,000	\$150,000	\$150,000	Note: revise cost estimate
	Airport Administration Building**	\$0	\$3,784,000	\$190,900	\$3,974,900	N/A	N/A	ASMP Project (funding levels TBD)
FY 2019 Total		\$135,000	\$3,791,500	\$198,400	\$4,124,900	---	\$15,000	
2020	Reconstruct, Mark, Sign & Light Parallel Taxiway 'A' and Stub Taxiways	\$1,800,000	\$100,000	\$100,000	\$2,000,000	\$150,000	\$165,000	\$15,000 NPE accrued from 2019/2020 projects will use all NPE
FY 2020 Total		\$1,800,000	\$100,000	\$100,000	\$2,000,000	---	\$0	
2021	Undetermined Project resulting fom 2018 Planning Stuy	\$0	\$0	\$0	\$0	\$150,000	\$150,000	
FY 2021 Total		\$0	\$0	\$0	\$0	---	\$150,000	
TOTAL CIP		\$2,235,000	\$3,908,167	\$315,067	\$6,458,233	---		

** Funding level to be split approximately 95% MassDOT and 5% Local Share



CQX