

**COUNTY FACILITIES COMMITTEE MEETING
AIRPORT AGENDA
July 20, 2021**

Committee Members: *Magowan*, Bruno, Wild, Shepler and Strough

I. Committee Meeting Call to Order by Chair

II. Approval of minutes of prior Committee Meeting

III. Action Agenda/New Business Items:

1. Request: Authorizing the Chairperson to apply for and execute a grant with FAA
Rationale: Grant is from the FAA, Warren County is eligible for funds from the American Rescue Plan Act 2021 (Public Law 117-2) (ARPA).
2. Request: Authorizing the Chairperson to apply for and execute a grant with NYSDOT
Rationale: Grant is from NYSDOT through Assemblymen Simpson for Multi-modal programs for transportation projects.

IV. Discussion Items

1. SRE Building Update
2. T-Hangar update
3. RichAir T-Hangar proposal
4. FAA Inspection
5. EV Charging

V. Referrals/Pending Items

VI. Privilege of the floor and public comment (please allow for 15 second delay on live stream meetings)

VII. Motion to Adjourn

Attachments:

RESOLUTION REQUEST FORM NO. 5

Request to Apply for a Grant Application and Grant Agreement

DEPARTMENT NAME: DPW - County Facilities (Airport)

DATE: 7/20/21

- (a) Purpose of Grant: Authorizing Chairperson of the BOS to apply for a grant agreement with FAA and to authorize the Chairperson to execute the grant for the reimbursement of eligible airport cost under the American Rescue Plan Act 2021 (Public Law 117-2) (ARPA).
- (b) Name of Grantor: FAA-AIP
- (c) Address of Contractor: FAA-NYADO, 1 Aviation Plaza, Room 111, Jamaica NY 11434
- (d) Grantor's Contact Person and Telephone Number: E. Martinez, (718) 995-5771
- (e) Has or Will the Grant Application or Grant Agreement be provided, if so, Please Attach? yes
- (f) Effective Date of Grant: n/a
- (g) Termination Date of Grant: n/a
- (h) Total Dollar Amount Involved (not to exceed): \$59,000
- (i) Deadline to Submit Grant Application and/or Grant Agreement: No later than November 30, 2021
- (j) Is a Budget amendment required? If yes, also complete and submit Form No. 7.
- (k) Are the funds to go into a Capital Project or Capital Reserve Project? NO If yes, also complete and submit Form No. 8 or Form No. 9, as applicable.
- (i) Is a Local Share Required? NO If Yes, Where are the Funds? List Budget Code

(with title), Object Code (with title), and Amount **OR** Capital Project **OR** Capital Reserve Project Number and Title and Amount:

RESOLUTION REQUEST FORM NO. 5

Request to Apply for a Grant Application and Grant Agreement

DEPARTMENT NAME: DPW - County Facilities (Airport)

DATE: 7/20/21

- (a) Purpose of Grant: Authorizing Chairperson of the BOS to apply for and execute a grant agreement with NYSDOT, through Assemblymen Simpson for Multi-Modal funds to be used for Transportation related projects.
- (b) Name of Grantor: NYSDOT
- (c) Address of Contractor:
- (d) Grantor's Contact Person and Telephone Number:
- (e) Has or Will the Grant Application or Grant Agreement be provided, if so, Please Attach? yes
- (f) Effective Date of Grant: n/a
- (g) Termination Date of Grant: n/a
- (h) Total Dollar Amount Involved (not to exceed): \$50,000
- (i) Deadline to Submit Grant Application and/or Grant Agreement: No later than August 31, 2021
- (j) Is a Budget amendment required? If yes, also complete and submit Form No. 7.
- (k) Are the funds to go into a Capital Project or Capital Reserve Project? NO If yes, also complete and submit Form No. 8 or Form No. 9, as applicable.
- (i) Is a Local Share Required? NO If Yes, Where are the Funds? List Budget Code (with title), Object Code (with title), and Amount **OR** Capital Project **OR** Capital Reserve Project Number and Title and Amount:

Multi-Modal Program Guidelines

The Multi-Modal (MM) Program provides reimbursement funding for five (5) specifically authorized transportation capital project “modes” found in State Transportation Law 14-k and NYSDOT Program Policy. Eligible modes include certain Rail, Port, Fixed Ferry Facility, Airport, and State and Local Highway and Bridge projects (excluding Transit and Maritime transportation projects).

The MM Program is a reimbursement program which, requires Sponsors to submit documented evidence of actual prior payments for eligible work (i.e., disbursements) to the NYSDOT Regional Office.

Sponsor’s reimbursement requests must be submitted to NYSDOT no later than 15 months after the date the original expenditure is paid in order to comply with Federal Tax Law, which governs the tax-exempt bonds issued to fund Multi-Modal projects.

All projects must be **primarily for an eligible public transportation purpose and use**. It is insufficient that certain transportation capital projects merely be “open to public access” or otherwise provide only partial or minor public use.

Highway/Bridge Mode Project Eligibility

MM funding is for project costs of construction, reconstruction, enhancement, improvement, replacement, reconditioning, restoration, rehabilitation and preservation of State, county, town, city and village roads, highways, parkways and bridges where the continuous service life is ten (10) or more years following project completion and NYSDOT reimbursement.

Eligible Projects:	Projects Not Eligible:
<p>State and municipally owned highways, roads, streets, and parkways with certain exceptions.</p> <p>Work within a highway right-of-way (ROW), including necessary highway storm drainage work, surveys and similar highway-related work.</p> <p>Major rehabilitation or replacement of a bridge or culvert.</p> <p>State or Municipally-owned commuter parking facilities which <u>directly</u> benefit a State or Local highway by supporting the public transportation purpose of <u>reducing</u> vehicular highway traffic volume.</p> <p>New signs, traffic signals and other traffic control devices, replacement of guiderail, shoulder improvements, new drainage systems, storm sewers, highway lighting, curbs.</p> <p>Eligible projects must have a primary public transportation objective and demonstrate a direct benefit to a local highway or street.</p>	<p>All Private roads. Publicly-owned roads not open for full time public transportation use, bridge removals/demolitions when the removal or demolition is a standalone project, municipal garages or storage buildings, planning studies, standalone purchase of equipment not permanently affixed to a single capital project location, interest or indirect costs (e.g., costs of issuance) on bonds or notes issued to finance projects, general administrative overhead costs.</p> <p>Planning studies or design work which does not result in a program-funded capital project with a minimum 10 year service life.</p> <p>State or Municipally-owned parking facilities which <u>do not</u> primarily serve an eligible public transportation modal purpose, parking projects which are not State or Municipally-owned are not eligible.</p> <p>Beautification/recreation projects.</p> <p>Projects which do <u>not</u> meet a primary public transportation objective or which do <u>not</u> demonstrate a direct benefit to an eligible Local highway or street.</p>

Aviation Mode Project Eligibility

MM funding is for construction, reconstruction, improvement, reconditioning and preservation of capital facilities of Municipal owned Airports and Privately-owned public use airports. In addition to the general requirements, a qualified Aviation Capital project must result in a continuous service life of ten (10) or more years following project completion and reimbursement.

<u>Eligible Projects:</u>	<u>Projects Not Eligible:</u>
<p>Projects which aid in operating revenue generation for general aviation and small airports where commercial service is limited to commuter services.</p> <p>Projects that aid in compliance with state and federal regulations.</p> <p>Typical projects include the design and construction/rehabilitation or purchase of:</p> <ul style="list-style-type: none"> • Hangars and T-Hangars. • Airfield Pavements (runways, taxiways, aprons). • Terminal Area Development. • Fuel Facilities. • Airfield Lighting and Navigational Aids. • Access Roads. • ROW Fencing. • Parking Lots. • Equipment (aircraft rescue and fire fighting, snow removal, ramp, fueling and emergency power generation). 	<p>Airport Projects that are not for a public passenger or freight transportation purpose.</p> <p>Planning studies or design work which do not result in a program-funded capital project with a minimum 10 year service life.</p> <p>Maintenance or general repairs normally considered an operating expense.</p>

Railroad Mode Project Eligibility

MM #4 funding is for rail freight facilities and intercity rail passenger facilities and equipment where the completed project service life is at least ten (10) years. Capital project costs for construction, reconstruction, improvement, reconditioning and preservation are eligible for reimbursement.

<u>Eligible Projects:</u>	<u>Projects Not Eligible:</u>
<p>Design activity resulting in an eligible capital project with a 10 year service life.</p> <p>Construction of new track and railbed or spur, track and railbed rehabilitation, rehabilitation of switches and ties, construction or reconstruction of rail bridges, construction or rehabilitation of railroad grade crossings.</p> <p>Station improvements, parking lots for train stations, acquisition of right-of-way for rail, purchase of rail equipment.</p> <p>Engine houses/rail car facilities and freight handling equipment that is directly related to rail transportation.</p>	<p>Projects that are not for a public passenger or freight transportation purpose.</p> <p>Planning studies or design work that do not result in an eligible capital project with a minimum 10 year service life, maintenance expenditures.</p> <p>Design, land acquisition, storage and warehouse facilities, or equipment costs <u>not</u> physically and functionally related <u>directly</u> to rail.</p> <p>Mobile materials handling or other portable equipment (regardless of service life).</p> <p>Construction or reconstruction of private access roads and/or driveways.</p>

Port Mode Project Eligibility

MM #4 Funding is for construction, reconstruction, improvement, reconditioning and preservation of all State, municipal, or privately-owned ports.

<u>Eligible Projects:</u>	<u>Projects Not Eligible:</u>
Equipment (e.g., cranes) with a 10 year service life, design activity costs resulting in an eligible capital project with a 10 year service life.	Projects that are not for a public passenger or freight transportation purpose.
Construction or reconstruction of docks, dredging, rail rehabilitation.	Planning studies or design which do not result in an eligible capital project with a minimum 10 year service life.
Construction or reconstruction of storage buildings and/or staging areas.	Construction or reconstruction of private access roads and/or driveways.
Construction or reconstruction of public access roads at commercial cargo ports.	Maintenance or general repairs normally considered an operating expense.

Fixed Ferry Facility Mode Project Eligibility

MM #4 Funding is for construction, reconstruction, improvement, reconditioning and preservation of fixed ferry landing based facilities of municipal and privately-owned ferry lines used for public transportation purposes.

<u>Eligible Projects:</u>	<u>Projects Not Eligible:</u>
Design activities resulting in an eligible capital project with a 10 year service life.	Ferry vessels, boats, or other water carriers.
Equipment (e.g., Lifts, cargo-handling and loading systems, weigh stations, or other land based equipment serving a ferry line, provided it meets a 10 year service life).	Projects that are not for public transportation purposes.
Construction or reconstruction of docks.	Planning studies or design work which do not result in a program-funded capital project with a minimum 10 year service life.
Dredging.	Maintenance or general repairs normally considered an operating expense.
Construction or reconstruction of terminal or storage buildings.	
Construction or reconstruction of access roads and parking lots.	

Multi-Modal Project Request & Nomination Form

(Please type or print clearly)

Date: _____

Required Project Information:

Multi-Modal Funding Amount Recommendation: \$_____

County: _____

Municipality/Project Owner/Sponsor Organization's Legally Incorporated Name:

Transportation Mode (i.e. Highway, Rail, Port, Fixed Ferry Facility, or Aviation): _____

Project Location: _____

Route/Name (if Highway): _____

(Beginning at) From: _____

(Ending at) To: _____

Project Description/Scope:

Name & Title of Organization's Primary Contact Person: _____

Contact Organization: _____

Contact Address (*Full Mailing Address Including Zip Code*): _____

Contact Telephone: (_____) _____

Contact E-Mail Address: _____



Imagery Date: 10/8/2011 43°20'30.76" N 73°36'16.27" W elev 324 ft eye alt 1940 ft

Google earth

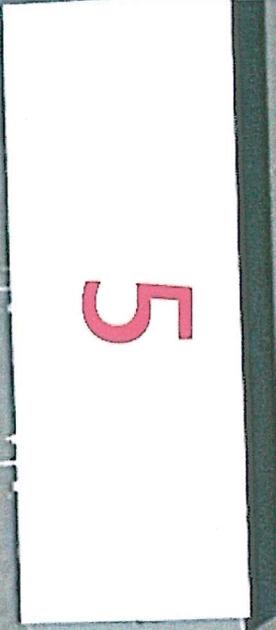
Building # 60
(40Wx150Lx20H)
Proposed 3 Bay
T-Hangers...
(40Wx50L Each)



20' FEET

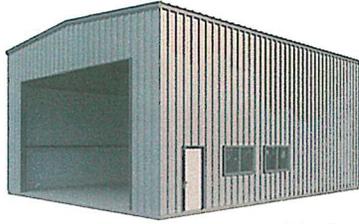


TOFA 89 Feet

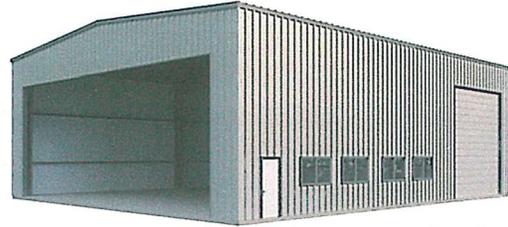


TOFA
(Taxiway "A")

Measure distance
Click on the map to add to your path
Total distance: 230.24 ft (70.18 m)



30' x 40'

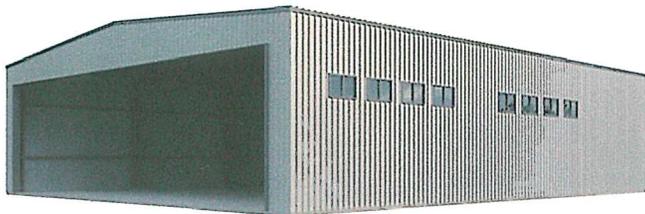


50' x 60'

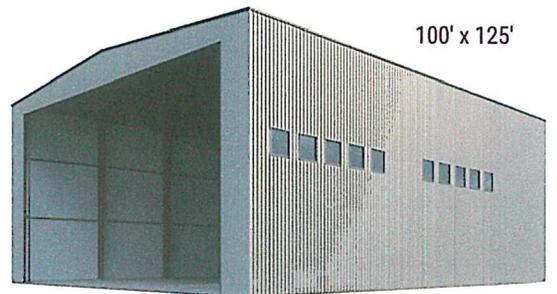
PRIVATE & COMMERCIAL PLANES

✓ 50' 20' 40'

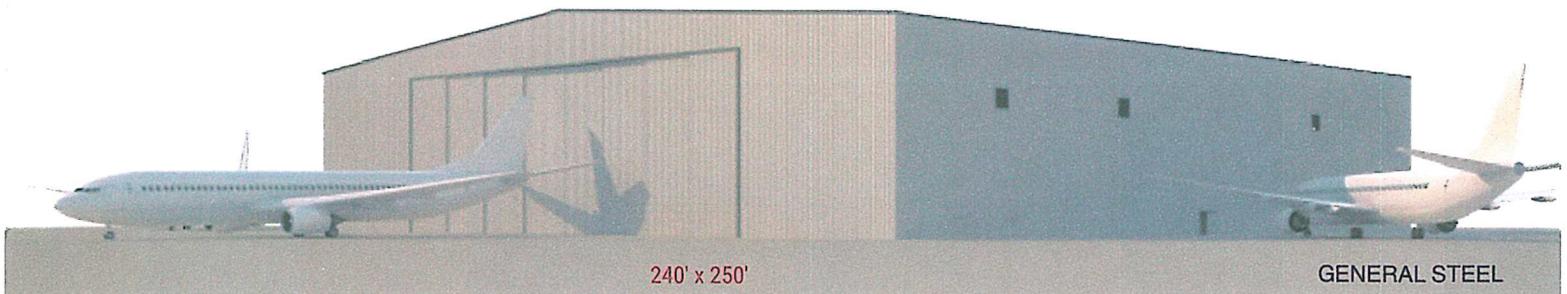
PLANE MAKE AND MODEL	WINGSPAN	HEIGHT	LENGTH	HANGAR SIZE
Airbus A320	117.50'	38.70'	123.30'	
Beagle B206-S Turbo Charge Twin	45.75'	11.30'	33.75'	✓
Beechcraft Baron 58	37.80'	9.50'	29.90'	✓
Beechcraft G33 Bonanza	32.75'	8.25'	25.50'	
Boeing Business Jet 787-8	197.30'	55.60'	186.10'	
Bombardier CRJ200	69.60'	20.80'	87.10'	
Cessna 172 Skyhawk	35.90'	8.83'	26.90'	✓
Cessna Skycatcher	30'	8.30'	22.80'	
Cirrus Vision SF50	38.80'	10.11'	30.11'	
Dassault Falcon 7X	86'	25.67'	76.08'	
Eclipse 500	37.75'	11'	33.40'	✓
Embraer Legacy 650	68.11'	22.20'	86.50'	
Embraer Phenom 100	40.40'	14.30'	42.10'	
Excalibur 800 Conv. Twin Beech	46'	11.25'	31.41'	✓
Gulfstream G650	99.70'	25.40'	99.90'	
Icon A5 Amphibious Light Sport Aircraft	34.80'	8.10'	23'	✓
Learjet 45	47.10'	14.10'	58'	
Learjet 75	50.11'	14.13'	58'	
Pilatus PC-12	53.33'	14'	47.25'	
Piper J-3 Cub	35.16'	6.66'	22.33'	✓
DA40 Or DA42 (45'x8'X28')	39'	6.5'	27'	
TBM 900	42'	14'3"	35'2"	



80' x 100'



100' x 125'



240' x 250'

GENERAL STEEL

Aircraft Sample for New Proposed T-hangars

Specifications (TBM 900)^[edit]

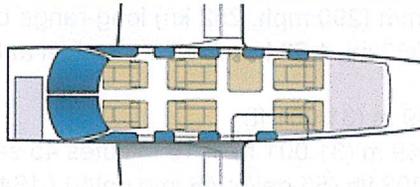


Diagram of a TBM 850 interior in a 6-seat configuration



A TBM 700 on static display



Interior view of a TBM cabin

Data from TBM^[29]

General characteristics

- **Crew:** 1 or 2
- **Capacity:** 4-6 (including flight crew) / 636 kg (1,402 lb) max payload
- **Length:** 10.72 m (35 ft 2 in)
- **Wingspan:** 12.833 m (42 ft 1 in)
- **Height:** 4.355 m (14 ft 3 in)
- **Wing area:** 18 m² (190 sq ft)^[30]
- **Aspect ratio:** 6.4
- **Airfoil:** root: RA 16-43; tip: RA 13.3-43^[31]
- **Empty weight:** 2,097 kg (4,623 lb)
- **Max takeoff weight:** 3,354 kg (7,394 lb)

- **Fuel consumption:** 462 lb (210 kg)/h at maximum cruise, 315 lb (143 kg)/h at economical cruise^[115]
- **Takeoff:** 621 metres (2,036 ft) roll, 973 metres (3,192 ft) over 15 m (50 ft) obstacle
- **Landing:** 496 metres (1,628 ft) ground roll

Avionics

- [Garmin G3000](#) based Cirrus Perspective Touch+

Cirrus Specifications (SR22-G5)^[edit]



SR22, 2003 model-year "Centennial" Edition, showing part of the aircraft's rear window



2015 SR22 GTS G5

Data from Cirrus website^[69] and The Incomplete Guide to Airfoil Usage^[70]

General characteristics

- **Crew:** one
- **Capacity:** four passengers
- **Length:** 26 ft 0 in (7.92 m)
- **Wingspan:** 38 ft 4 in (11.68 m)
- **Height:** 8 ft 11 in (2.72 m)
- **Airfoil:** [Roncz](#)
- **Empty weight:** 2,269 lb (1,029 kg)
- **Gross weight:** 3,600 lb (1,633 kg)
- **Fuel capacity:** 92 US gallons (348 litres)
- **Powerplant:** 1 × [Continental IO-550-N](#) Six cylinder horizontally opposed aircraft engine, 310 hp (230 kW)
- **Propellers:** 3-bladed

Performance