

NEW HOLSTEIN MUNICIPAL AIRPORT



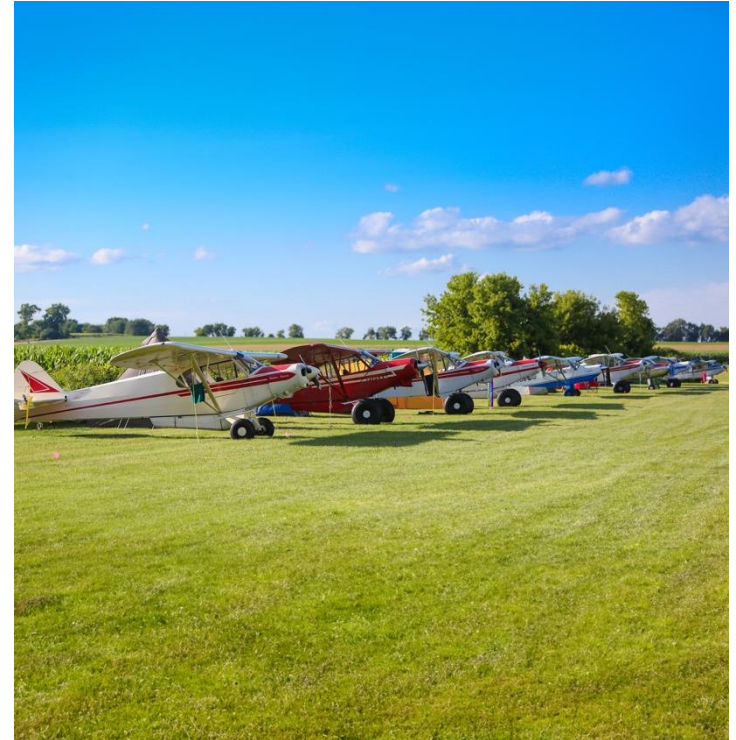
Airport Master Plan



AGENDA

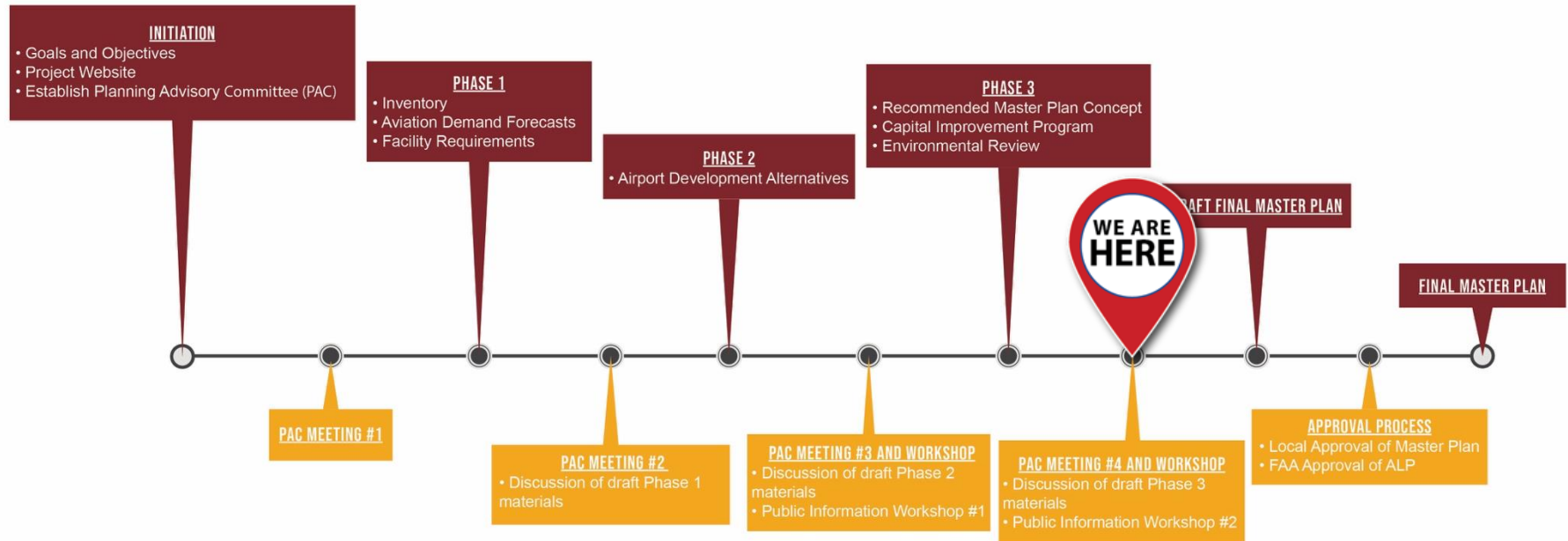
PAC Meeting #4

1. Welcome/Introductions
2. Master Plan Process Review
3. Phase 2 Master Plan Review
4. Review of Phase 3 Material
 - Recommended Development Concept
 - Capital Improvement Program (CIP)
5. Open Discussion/Questions
6. Next Steps





Master Plan Process



NEW HOLSTEIN MUNICIPAL AIRPORT

Airport Master Plan



Phase 2 Review



Aviation Demand Forecasts

Forecasts Submitted to BOA
on July 31st, 2025.

	BASE YEAR	FORECAST		
	2024	2029	2034	2044
OPERATIONS				
Itinerant				
Air Carrier	-	-	-	-
Air Taxi	2	2	2	2
Military	200	200	200	200
General Aviation	4060	4400	4500	4800
Subtotal	4,262	4,602	4,702	5,002
Local				
General Aviation	6090	6500	6700	7200
Military	-	-	-	-
Subtotal	6,090	6,500	6,700	7,200
Total Operations	10,352	11,102	11,402	12,202
PEAKING				
Annual	10,352	11,102	11,402	12,202
Peak Month	1,035	1,110	1,140	1,220
Design Day	33	36	37	39
Design Hour	5	5	6	6
Busy Day	42	45	46	49
BASED AIRCRAFT				
Single Engine	29	30	30	31
Multi-Engine	0	0	0	0
Turboprop	0	1	2	3
Jet	0	0	1	2
Helicopter	0	0	0	1
Total Based Aircraft	29	31	33	37



Critical Aircraft Determination

RUNWAY DESIGN CODE

Runway 14-32 Existing RDC: A/B-I(S)-5000

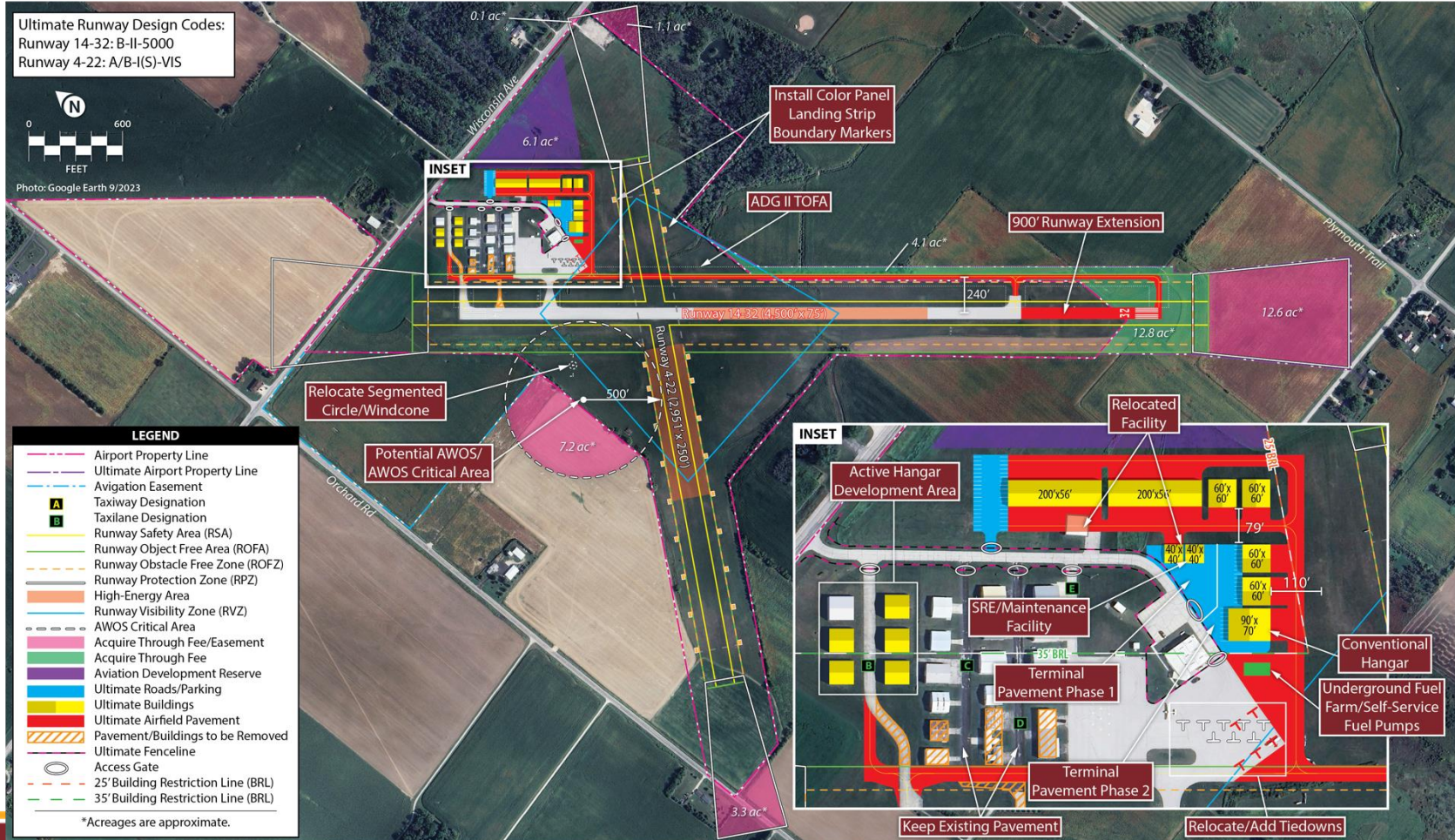
Runway 14-32 Future RDC: B-II-5000

Runway 4-22 Existing RDC: A/B-I(S)-VIS

Runway 4-22 Future RDC: A/B-I(S)-VIS



Recommended Development Concept





Capital Improvement Program – Short Term

Project #	Project	Estimated Cost	Federal / BOA	State Share	Airport Sponsor/ Local Share
SHORT TERM (1-5 Years)					
FY2026					
1	Rehabilitate Taxiway A (Apron to Taxilane C) - Phase 2 (Construction)	\$68,000	\$64,600	\$1,700	\$1,700
2	Develop New Airport Master Plan - Phase 2 (Airport Layout Plan and Exhibit A Update)	\$180,000	\$171,000	\$4,500	\$4,500
3	Improve Service Road B - Phase 2 (Construction)	\$29,000	\$27,550	\$725	\$725
4	Improve Service Road C - Phase 2 (Construction)	\$32,000	\$30,400	\$800	\$800
5	Improve Service Road D - Phase 2 (Construction)	\$35,000	\$33,250	\$875	\$875
6	Improve Service Road E - Phase 2 (Construction)	\$29,000	\$27,550	\$725	\$725
FY2027					
7	Expand Terminal Vehicle Pavement - Phase 1 (Design)	\$25,000	\$22,500	\$1,250	\$1,250
8	Construct Snow Removal Equipment Building - Phase 1 (Design)	\$90,000	\$81,000	\$4,500	\$4,500
FY2028					
9	Construct Snow Removal Equipment Building and Expanded Terminal Vehicle Pavement - Phase 2 (Construction)	\$910,000	\$819,000	\$45,500	\$45,500
10	Acquire Snow Removal Equipment	\$415,000	\$373,500	\$20,750	\$20,750
FY2029					
11	Construct Taxilane (Taxilane B to Taxilane C) - Phase 1 (Design)	\$40,000	\$36,000	\$2,000	\$2,000
12	Construct Taxilane (Taxilane B to Taxilane C) - Phase 2 (Construction)	\$165,000	\$148,500	\$8,250	\$8,250
13	Reconstruct Access Road - Phase 1 (Design)	\$35,000	\$31,500	\$1,750	\$1,750
14	Reconstruct Access Road - Phase 2 (Construction)	\$225,000	\$202,500	\$11,250	\$11,250
FY2030					
15	Construct Perimeter Fence and Gates - Phase 1 (Design)	\$40,000	\$36,000	\$2,000	\$2,000
16	Construct Perimeter Fence and Gates - Phase 2 (Construction)	\$400,000	\$360,000	\$20,000	\$20,000
17	Relocate Segmented Circle and Windcone	\$85,000	\$76,500	\$4,250	\$4,250
Short-Term CIP Subtotal		\$2,803,000	\$2,541,350	\$130,825	\$130,825



Capital Improvement Program – Short Term



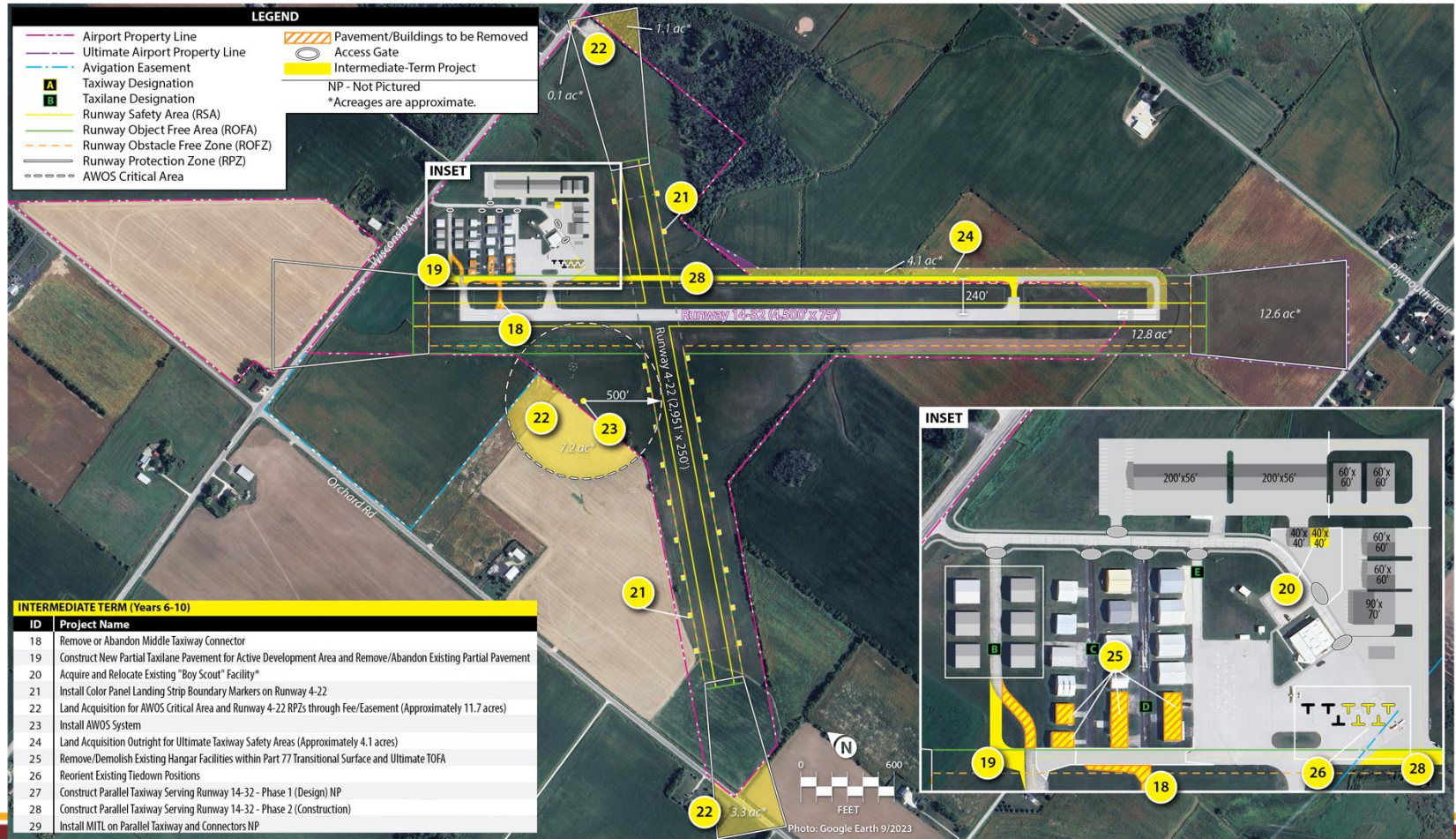


Capital Improvement Program – Intermediate Term

INTERMEDIATE TERM (6-10 Years)					
18	Remove or Abandon Middle Taxiway Connector	\$70,000	\$63,000	\$3,500	\$3,500
19	Construct New Partial Taxiway Pavement for Active Development Area and Remove/Abandon Existing Partial Pavement	\$170,000	\$153,000	\$8,500	\$8,500
20	Acquire and Relocate Existing "Boy Scout" Facility*	\$100,000	\$-	\$-	\$100,000
21	Install Color Panel Landing Strip Boundary Markers on Runway 4-22	\$40,000	\$36,000	\$2,000	\$2,000
22	Land Acquisition for AWOS Critical Area and Runway 4-22 RPZs through Fee/Easement (Approximately 11.7 acres)	\$666,500	\$599,850	\$33,325	\$33,325
23	Install AWOS System	\$475,000	\$427,500	\$23,750	\$23,750
24	Land Acquisition Outright for Ultimate Taxiway Safety Areas (Approximately 4.1 acres)	\$240,000	\$216,000	\$12,000	\$12,000
25	Remove/Demolish Existing Hangar Facilities within Part 77 Transitional Surface and Ultimate TOFA	\$70,000	\$63,000	\$3,500	\$3,500
26	Reorient Existing Tiedown Positions	\$70,000	\$63,000	\$3,500	\$3,500
27	Construct Parallel Taxiway Serving Runway 14-32 - Phase 1 (Design)	\$340,000	\$306,000	\$17,000	\$17,000
28	Construct Parallel Taxiway Serving Runway 14-32 - Phase 2 (Construction)	\$1,400,000	\$1,260,000	\$70,000	\$70,000
29	Install MITL on Parallel Taxiway and Connectors	\$580,000	\$522,000	\$29,000	\$29,000
Intermediate-Term CIP Subtotal		\$4,221,500	\$3,709,350	\$206,075	\$306,075



Capital Improvement Program – Intermediate Term





Capital Improvement Program – Long Term

Project #	Project	Estimated Cost	Federal / BOA	State Share	Airport Sponsor/ Local Share
LONG TERM (11-20 Years)					
30	Expand Apron	\$275,000	\$247,500	\$13,750	\$13,750
31	Install Fuel Farm/Self-Service Fuel Pumps on Expanded Apron	\$1,100,000	\$990,000	\$55,000	\$55,000
32	Construct 3 New Tiedown Positions	\$45,000	\$40,500	\$2,250	\$2,250
33	Construct New Taxilane Pavement for Hangar Development Area	\$1,175,000	\$1,057,500	\$58,750	\$58,750
34	Construct Two 6-Unit 200' x 56' T-Hangar Structures*	\$5,850,000	\$-	\$-	\$5,850,000
35	Construct Additional Vehicle Parking Pavement for Proposed T-Hangar Rows*	\$180,000	\$-	\$-	\$180,000
36	Expand Terminal Vehicle Pavement (Phase 2)	\$135,000	\$121,500	\$6,750	\$6,750
37	Environmental Assessment (Land Acquisition and Runway 14-32)	\$180,000	\$162,000	\$9,000	\$9,000
38	Land Acquisition for Ultimate Runway Safety Areas (Approximately 25.4 acres total, 12.8 acres acquired outright)	\$2,075,000	\$1,867,500	\$103,750	\$103,750
39	Clear and Grade Existing/Ultimate Safety Areas	\$70,000	\$63,000	\$3,500	\$3,500
40	Construct Runway 14-32 Extension and Extend Parallel Taxiway (Design)	\$450,000	\$405,000	\$22,500	\$22,500
41	Construct Runway 14-32 Extension and Extend Parallel Taxiway	\$1,800,000	\$1,620,000	\$90,000	\$90,000
Long-Term CIP Subtotal		\$13,335,000	\$6,574,500	\$365,250	\$6,395,250
CAPITAL IMPROVEMENT PROGRAM TOTAL		\$20,359,500	\$12,825,200	\$702,150	\$6,832,150

LEGEND

- Airport Property Line
- Ultimate Airport Property Line
- Aviation Easement
- A** Taxiway Designation
- B** Taxilane Designation
- Runway Safety Area (RSA)
- Runway Object Free Area (ROFA)
- Runway Obstacle Free Zone (ROFZ)
- Runway Protection Zone (RPZ)
- AWOS Critical Area
- Pavement/Buildings to be Removed
- Access Gate
- Long-Term Project
- NP - Not Pictured
- *Acreages are approximate.

LONG TERM (Years 11-20)

ID	Project Name
30	Expand Apron
31	Install Fuel Farm/Self-Service Fuel Pumps on Expanded Apron
32	Construct 3 New Tiedown Positions
33	Construct New Taxilane Pavement for Hangar Development Area
34	Construct Two 6-Unit 200' x 56' T-Hangar Structures*
35	Construct Additional Vehicle Parking Pavement for Proposed T-Hangar Rows
36	Expand Terminal Vehicle Pavement (Phase 2)
37	Environmental Assessment (Land Acquisition and Runway 14-32) NP
38	Land Acquisition for Ultimate Runway Safety Areas (Approximately 25.4 acres total, 12.8 acres acquired outright)
39	Clear and Grade Existing/Ultimate Safety Areas NP
40	Construct Runway 14-32 Extension and Extend Parallel Taxiway (Design) NP
41	Construct Runway 14-32 Extension and Extend Parallel Taxiway

INSET

Runway 14-32 (4,500' x 75')

Runway 4-22 (2,951' x 150')

Orchard Rd

7.2 ac*

3.3 ac*

0.1 ac*

1.1 ac*

4.1 ac*

12.6 ac*

12.8 ac*

240'

500'

INSET

200'x56'

200'x56'

60'x60'

60'x60'

40'x40'

40'x40'

60'x60'

60'x60'

90'x70'

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Next Steps

- Adoption of the Master Plan by City Council
- Conduct Phase II of the Airport Master Plan (Airport Layout Plan Drawing Set)
- Submit Airport Layout Plan to BOA/FAA for review and approval
- Deliver Final Master Plan
- Execute Master Plan through Village's annual budget and grant funding opportunities





Questions?

