

# Airport Commission Meeting

## Planning Advisory Committee Meeting 4

March 18, 2024



**VERO BEACH**  
REGIONAL AIRPORT

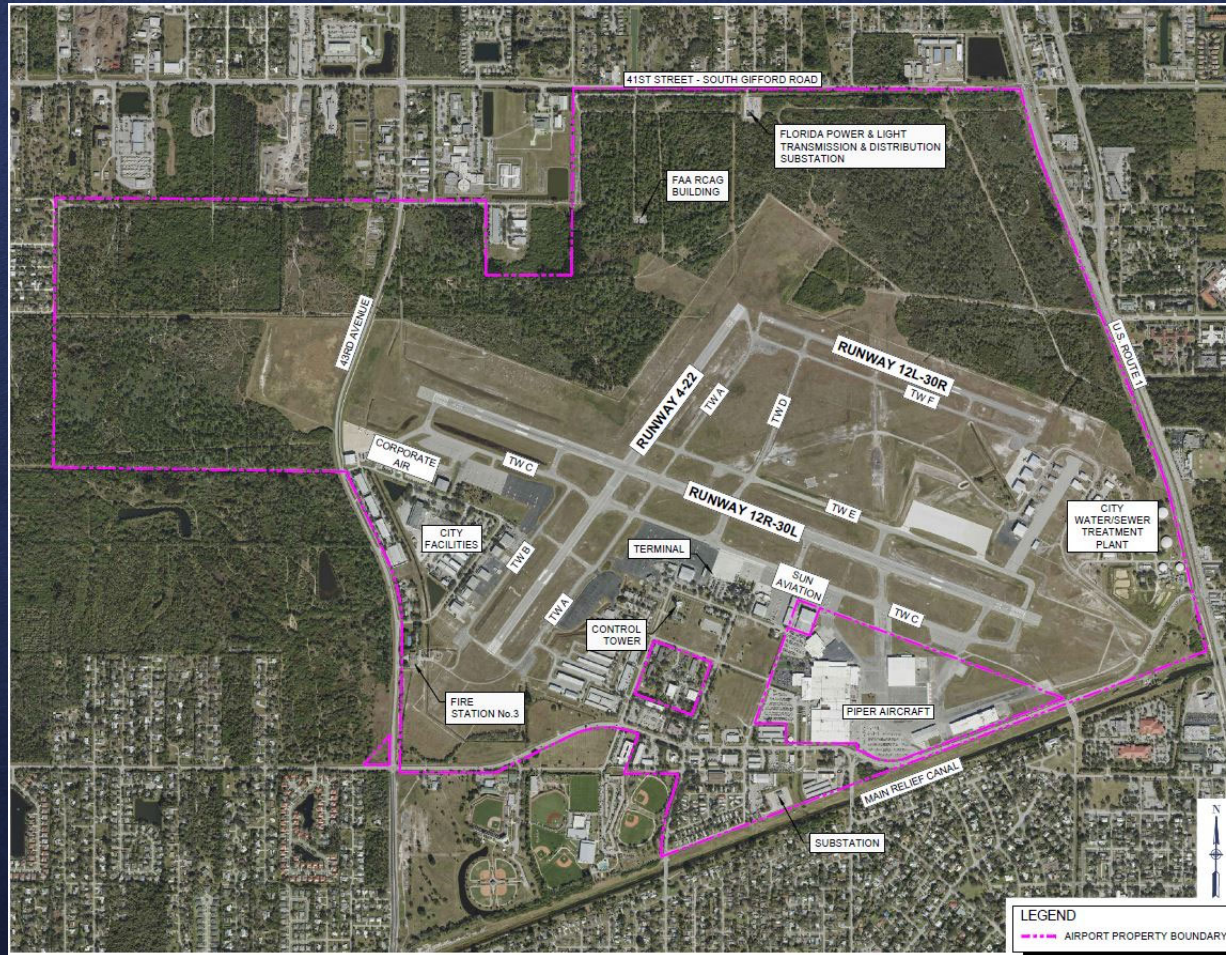


**HANSON**

# Agenda

- Introductions
- Existing airfield overview
- Airport infrastructure resiliency
- Alternatives analysis
  - Potential airside development areas
- Funding sources
- Capital improvement plan (CIP)
  - Recommended improvements
- Opportunity for public comment
  - Project website
- Questions

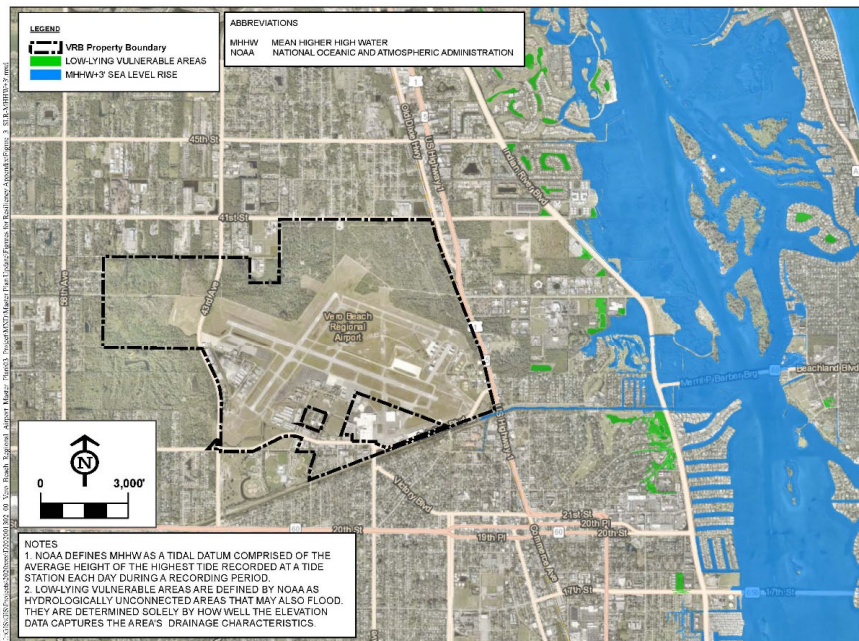
# Existing Airfield Overview



# Airport Infrastructure Resiliency

## Identification of Climate-Related Threats

- Sea-level rise / extreme temperatures / rainfall patterns / extreme storm events



VERO BEACH REGIONAL AIRPORT MASTER PLAN UPDATE  
**FIGURE 3**  
POTENTIAL EFFECTS OF 3 FOOT SEA LEVEL RISE

## Asset Evaluation

- Airfield pavements
- Electrical systems
- Airport structures
- Support facilities
- Utilities

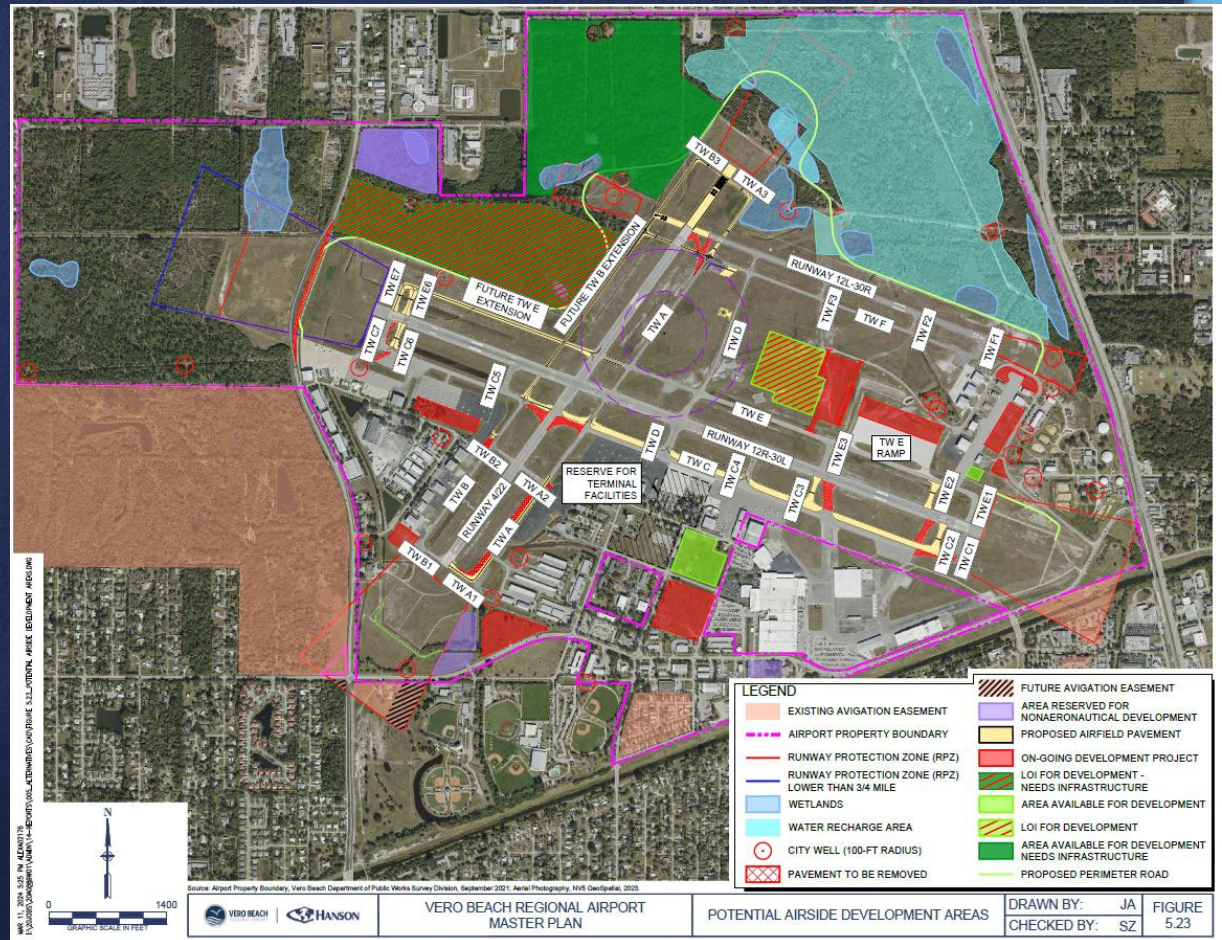
# Alternatives Analysis

Evaluate for:

- Technical feasibility – meets FAA standards
- Operational feasibility – flexibility, meets forecast users' needs
- Conformance with local, state and regional planning
- Financial feasibility – avoid excessive costs
- Social and political feasibility – community acceptance
- Environmental impacts – minimize
- Highest and best use

# Potential Airside Development Areas

Identifies areas for additional hangar development to meet current and future demand



# Funding Sources

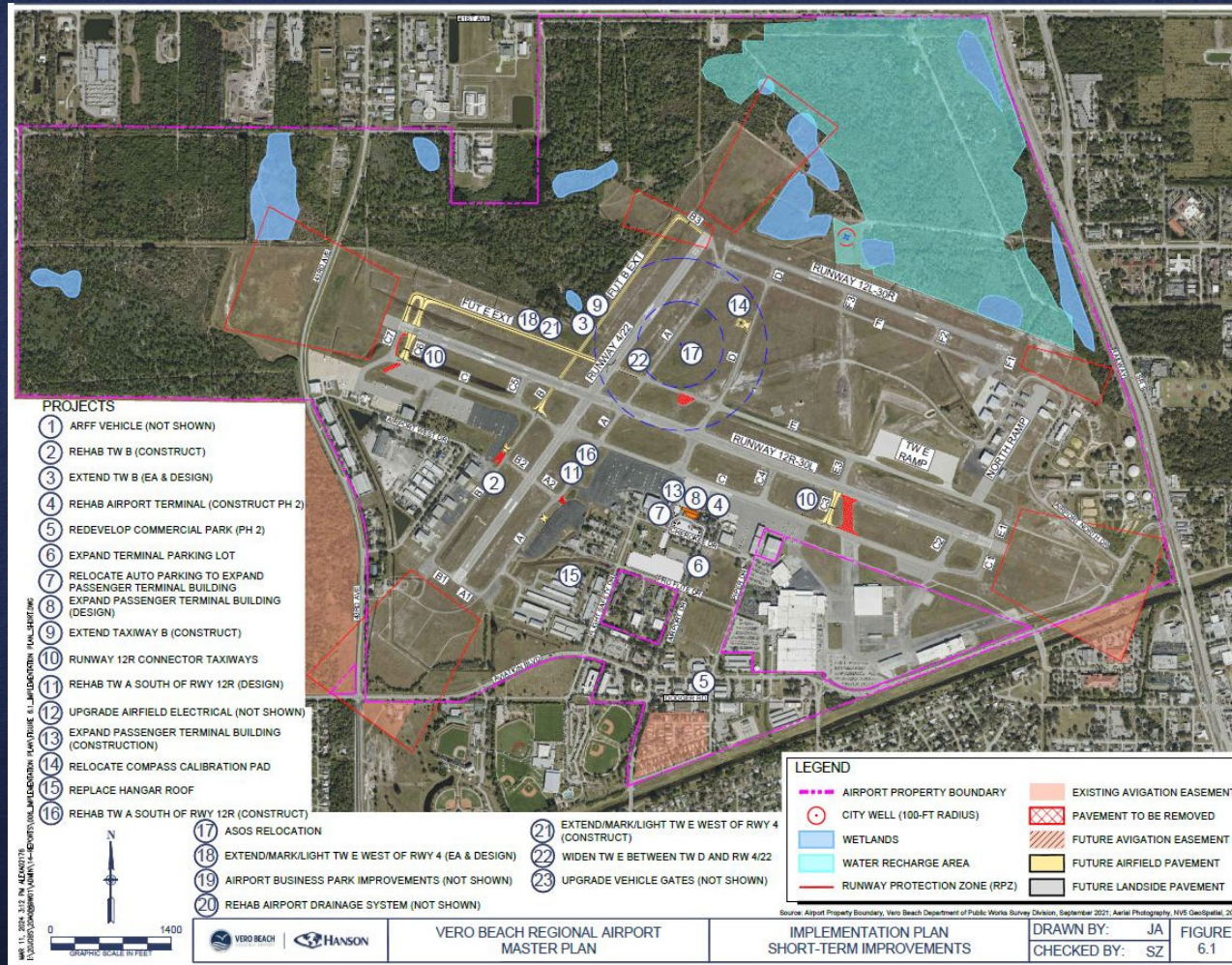
- Federal
  - Airport Improvement Program
  - Bipartisan Infrastructure Law (5 years, starting in FY 2022)
  - Requires acceptance of grant assurances
- FDOT Aviation Grant Program
  - Match on FAA grants
  - State-local grant programs
- Airport-generated revenue

# CIP Projects Cost Estimates – Short Term

Summary of Short Term Capital Improvement Projects						
#	Project	Year	Funding			Total
			Federal	State	Local	
1	ARFF Vehicle	2024	\$ -	\$1,040,000	\$260,000	\$1,300,000
2	Rehabilitate Taxiway B Construct	2024	\$2,520,000	\$140,000	\$140,000	\$2,800,000
3	Extend Taxiway B (EA & Design)	2024	\$ -	\$400,000	\$100,000	\$500,000
4	Rehabilitate Airport Terminal Construct Phase II	2024	\$ -	\$600,000	\$150,000	\$750,000
5	Redevelop Commercial Park (Phase 2)	2024	\$ -	\$250,000	\$250,000	\$500,000
Yearly Total 2024			\$3,771,000	\$2,500,000	\$970,000	\$7,241,000
6	Expand Terminal Parking Lot	2025	\$ -	\$2,500,000	\$500,000	\$2,500,000
7	Relocate Auto Parking to Expand Passenger Terminal Building	2025	\$ -	\$1,110,000	\$280,000	\$1,390,000
8	Expand Passenger Terminal Building – Design	2025	\$ -	\$380,000	\$100,000	\$480,000
9	Extend Taxiway B (Construct)	2025	\$ -	\$2,920,000	\$730,000	\$3,650,000
10	Construct Runway 12R Connector Taxiways (C3 and C6)	2025	\$ -	\$1,830,000	\$450,000	\$2,280,000
Yearly Total 2025			\$ -	\$8,360,000	\$1,960,000	\$9,820,000
11	Rehabilitate Taxiway A South of RWY 12R – Design	2026	\$ -	\$260,000	\$70,000	\$330,000
12	Upgrade Airfield Electrical	2026	\$ -	\$1,530,000	\$380,000	\$1,910,000
13	Expand Passenger Terminal Building – Construction	2026	\$ -	\$2,430,000	\$610,000	\$3,040,000
14	Relocated Compass Calibration Pad	2026	\$ -	\$480,000	\$120,000	\$600,000
15	Replace Hangar Roof	2026	\$ -	\$1,690,000	\$420,000	\$2,110,000
Yearly Total 2026			\$ -	\$6,770,000	\$1,060,000	\$8,460,000
16	Rehabilitate Taxiway A South of RWY 12R – Construction	2027	\$ -	\$1,640,000	\$410,000	\$2,050,000
17	ASOS Relocation	2027	\$ -	\$ -	\$230,000	\$230,000
Yearly Total 2027			\$ -	\$1,640,000	\$640,000	\$2,280,000
18	Extend/Mark/Light Taxiway E West of RWY 4 – Design & EA	2028	\$ -	\$510,000	\$130,000	\$640,000
19	Airport Business Park Improvements	2028	\$ -	\$500,000	\$500,000	\$1,000,000
20	Rehabilitate Airport Drainage System	2028	\$1,719,000	\$100,000	\$100,000	\$1,919,000
Yearly Total 2028			\$1,719,000	\$1,110,000	\$730,000	\$3,559,000
21	Extend/Mark/Light Taxiway E West of RWY 4 – Construction	2029	\$2,570,000	\$990,000	\$990,000	\$4,550,000
22	Widen Taxiway E Between Taxiway D and Runway 4/22	2029	\$270,000	\$20,000	\$20,000	\$310,000
23	Upgrade Vehicle Gates	2029	\$1,020,000	\$60,000	\$60,000	\$1,140,000
Yearly Total 2029			\$3,860,000	\$1,070,000	\$1,070,000	\$6,000,000



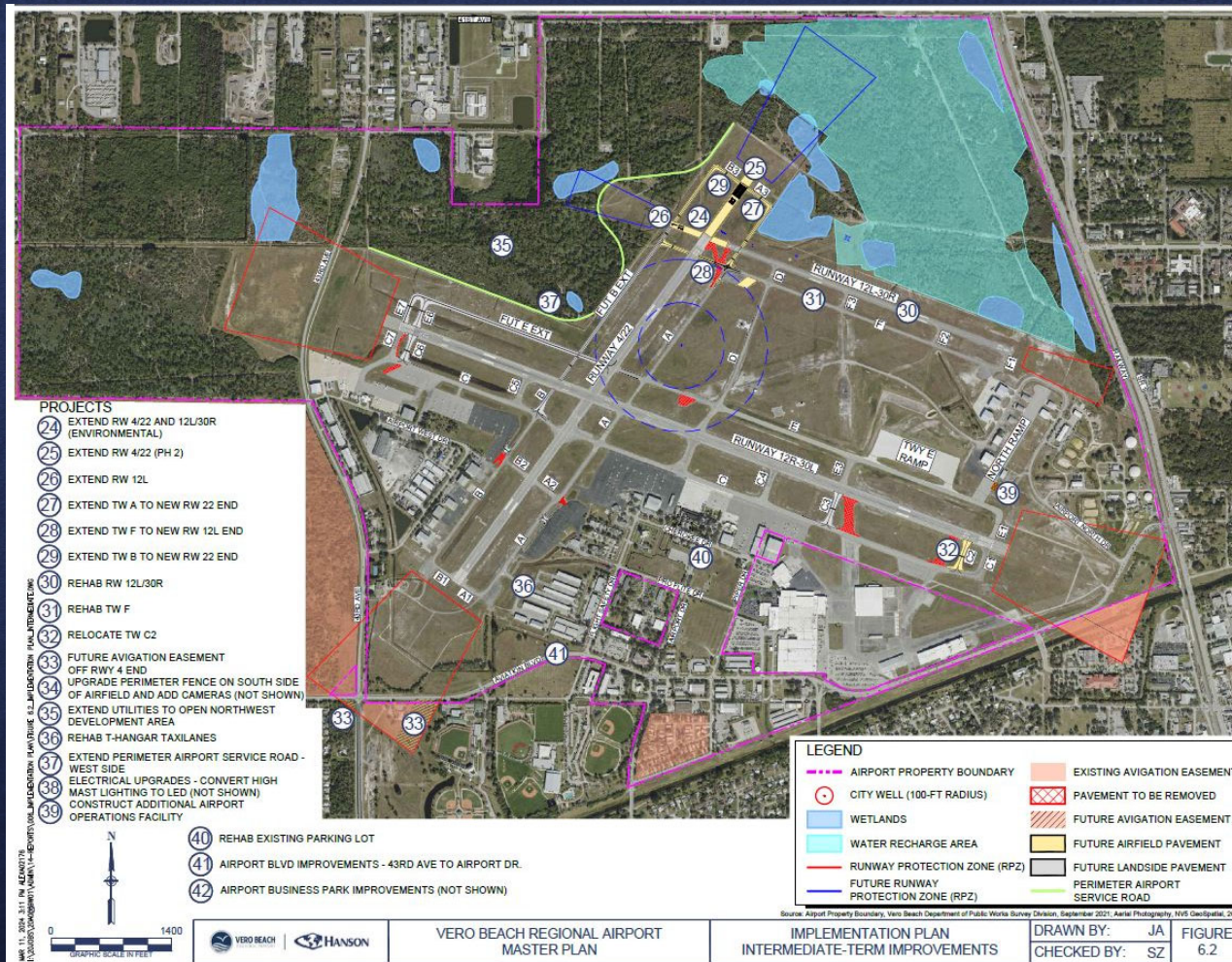
# CIP Projects – Short Term



# CIP Projects Cost Estimates – Intermediate Term

Summary of Intermediate Term Capital Improvement Projects					
#	Project	Funding			Total
		Federal	State	Local	
<b>Runway 4-22/Runway 12L/30R Improvement Program</b>					
24	Extend Runway 4/22 and Runway 12L/30R, Environmental	\$410,000	\$20,000	\$20,000	\$450,000
25	Extend Runway 4/22, Phase 2	\$4,220,000	\$380,000	\$90,000	\$4,690,000
26	Extend Runway 12L	\$1,640,000	\$90,000	\$90,000	\$1,820,000
27	Extend Taxiway A to New RW 22 End	\$1,860,000	\$100,000	\$100,000	\$2,060,000
28	Extend Taxiway F to New RW 12L End	\$890,000	\$50,000	\$50,000	\$990,000
29	Extend Taxiway B to New RW 22 End	\$1,930,000	\$110,000	\$110,000	\$2,150,000
<b>Other Airfield Improvements</b>					
30	Rehabilitate Runway 12L/30R	\$5,400,000	\$300,000	\$300,000	\$6,000,000
31	Rehabilitate Taxiway F	\$3,990,000	\$230,000	\$230,000	\$4,450,000
32	Relocate Taxiway C2	\$1,020,000	\$60,000	\$60,000	\$1,140,000
33	Future Avigation Easements Off Runway 4 End	\$530,000	\$30,000	\$30,000	\$590,000
<b>Airside Improvements</b>					
34	Upgrade South Side Perimeter Fence and Add Cameras	\$580,000	\$30,000	\$30,000	\$640,000
35	Extend Utilities for Northwest Development Area	\$1,000,000	\$60,000	\$60,000	\$1,120,000
36	Rehabilitate T-hangar Taxilanes	\$2,570,000	\$140,000	\$140,000	\$2,850,000
37	Extend Perimeter Airport Service Road – West Side	\$ -	\$1,570,000	\$390,000	\$1,960,000
38	Electrical Upgrades – Convert High-Mast Lighting to LED	\$410,000	\$20,000	\$20,000	\$450,000
39	Construct Additional Airport Operations Facility	\$ -	\$2,410,000	\$600,000	\$3,010,000
<b>Landside Improvements</b>					
40	Rehabilitate Existing Parking Lot	\$ -	\$690,000	\$170,000	\$860,000
41	Aviation Blvd. Improvements – 43rd Ave. to Airport Dr.	\$ -	\$2,580,000	\$640,000	\$3,220,000
42	Airport Business Park Improvements	\$ -	\$250,000	\$250,000	\$500,000

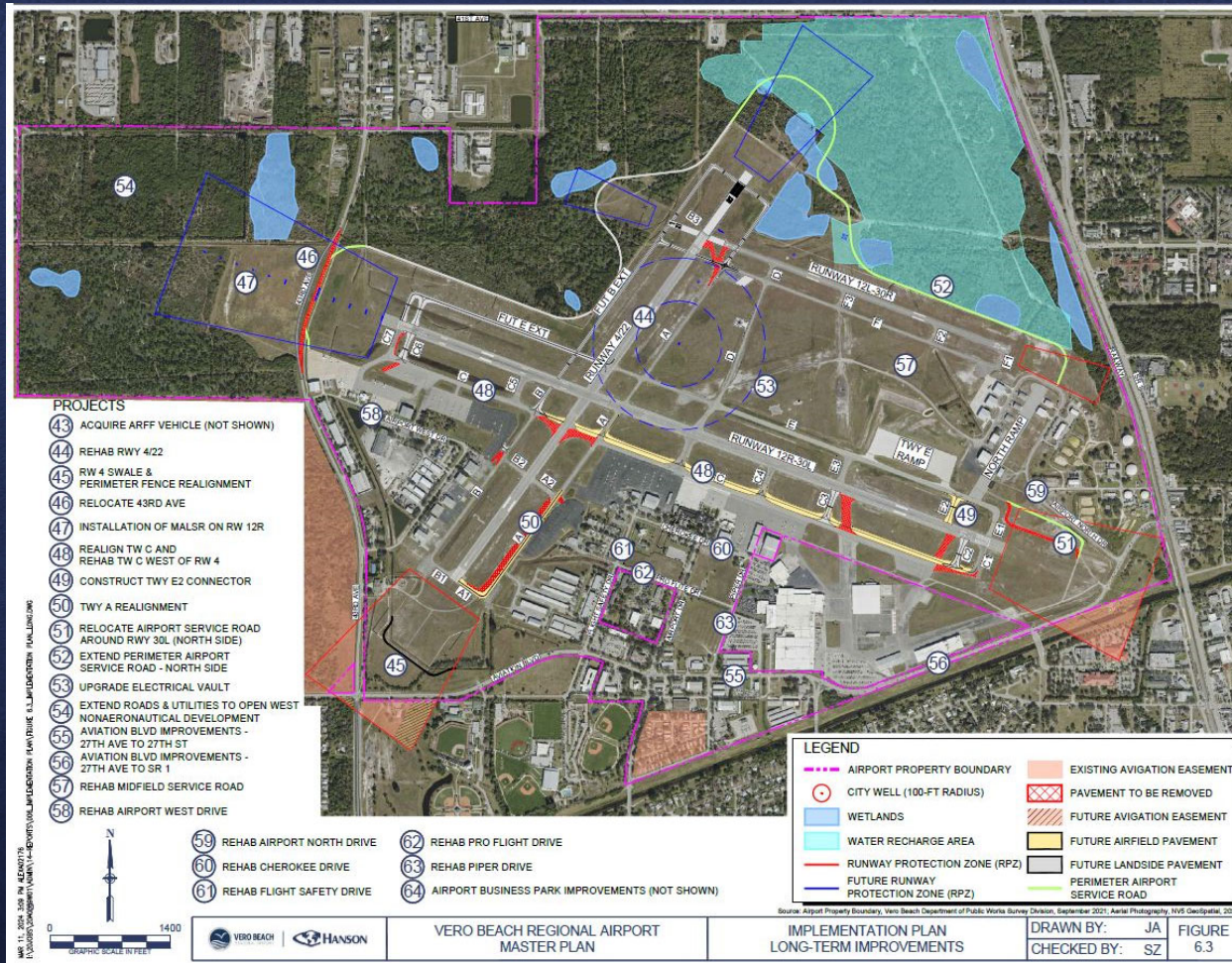
# CIP Projects – Intermediate Term



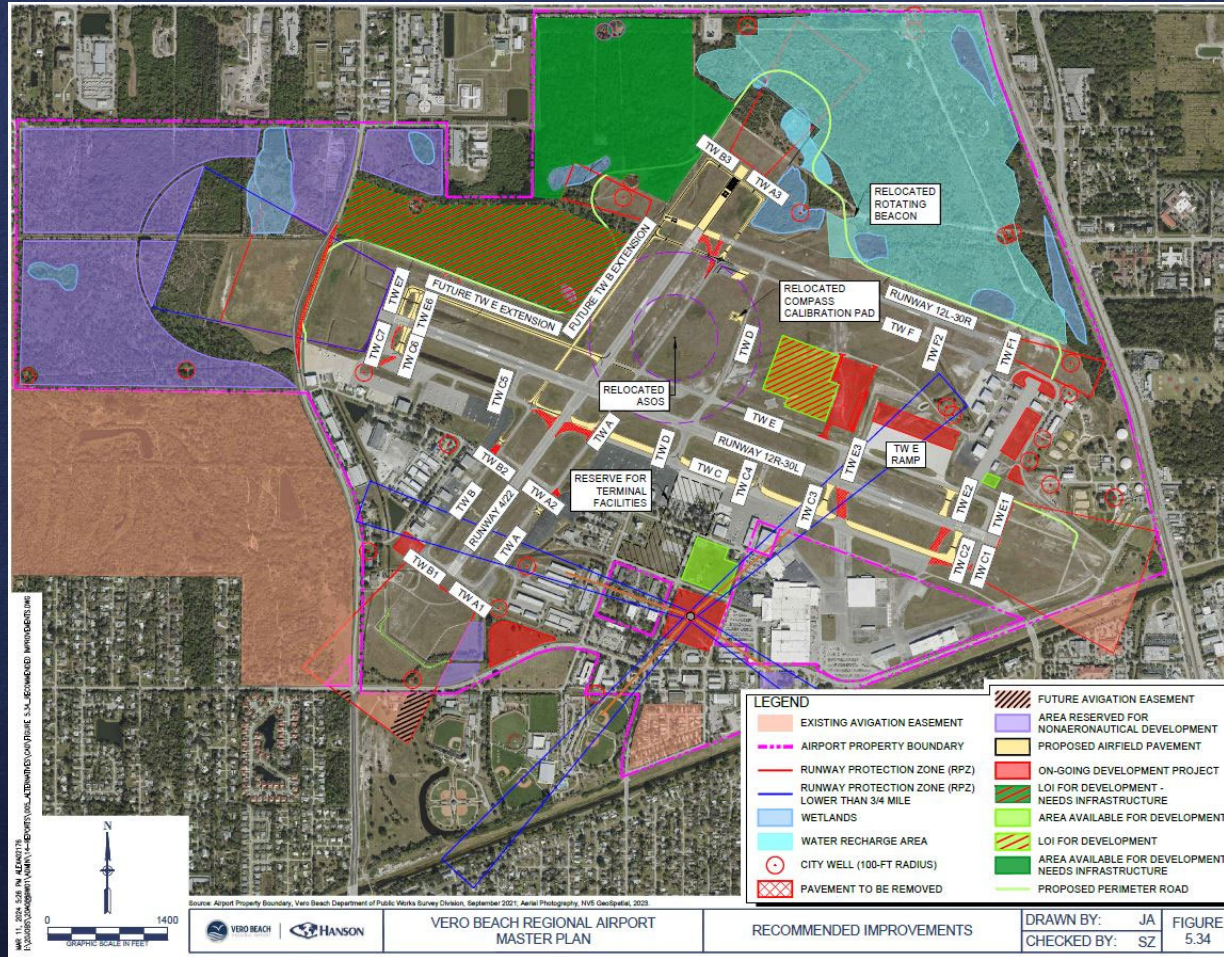
# CIP Projects Cost Estimates – Long Term

Summary of Long-Term Capital Improvement Projects					
#	Projects	Funding			Total
		Federal	State	Local	
<b>Safety and Security Project</b>					
43	Acquire ARFF Vehicle	\$ -	\$1,360,000	\$340,000	\$1,700,000
<b>Airfield Improvements</b>					
44	Rehabilitate Runway 4/22	\$12,400,000	\$690,000	\$690,000	\$13,780,000
45	Realign Runway 4 Swale and Perimeter Fence	\$1,170,000	\$70,000	\$70,000	\$1,310,000
46	Relocate 43rd Ave.	\$ -	\$2,460,000	\$610,000	\$3,070,000
47	Install MALSR on Runway 12R	\$1,910,000	\$110,000	\$110,000	\$2,130,000
48	Realign Taxiway C and Rehabilitate Taxiway C West of Runway 4	\$13,110,000	\$730,000	\$730,000	\$14,570,000
49	Construct Taxiway E2 Connector	\$1,000,000	\$60,000	\$60,000	\$1,120,000
50	Realign Taxiway A	\$3,740,000	\$210,000	\$210,000	\$4,160,000
<b>Airside Improvements</b>					
51	Relocate Airport Service Road Around RWY 30L (North Side)	\$ -	\$450,000	\$110,000	\$560,000
52	Extend Perimeter Airport Service Road – North Side	\$ -	\$3,420,000	\$860,000	\$4,280,000
53	Upgrade Electrical Vault	\$ -	\$1,170,000	\$290,000	\$1,460,000
<b>Landside Improvements</b>					
54	Extend Roads and Utilities to Open West Nonaeronautical Development	\$ -	\$3,840,000	\$960,000	\$4,800,000
55	Aviation Blvd. Improvements – 27th Ave. to 27th St.	\$ -	\$2,290,000	\$570,000	\$2,860,000
56	Aviation Blvd. Improvements – 27th St. to SR 1	\$ -	\$2,060,000	\$510,000	\$2,570,000
57	Rehabilitate Midfield Service Road	\$ -	\$1,630,000	\$410,000	\$2,040,000
58	Rehabilitate Airport West Drive	\$ -	\$1,130,000	\$280,000	\$1,410,000
59	Rehabilitate Airport North Drive	\$ -	\$1,180,000	\$290,000	\$1,470,000
60	Rehabilitate Cherokee Drive	\$ -	\$450,000	\$110,000	\$560,000
61	Rehabilitate Flight Safety Drive	\$ -	\$530,000	\$130,000	\$660,000
62	Rehabilitate Pro Flight Drive	\$ -	\$450,000	\$110,000	\$560,000
63	Rehabilitate Piper Drive	\$ -	\$710,000	\$180,000	\$890,000
64	Airport Business Park Improvements	\$ -	\$250,000	\$250,000	\$500,000

# CIP Projects – Long Term



# Recommended Improvements



# Opportunity for Public Comment



# Project Website – Public Comment

- For additional information regarding the VRB airport master plan, please visit <https://www.vrbmasterplan.com/>
- A link to project website is also on the airport's website
- Website contains FAQ to be updated during study
- Presentations as they occur
- Draft working papers as prepared
- **Opportunity to submit comments**
  
- In addition to the website, public information workshop on March 18, 2024.