

# Welcome

Informational Open House

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**Oakland/Southwest Airport**  
**Airport Layout Plan (ALP) Update**

# Project Informational Stations

- Station 1 – Schedule and Background
- Station 2 – Forecasts and Facility Requirements
- Station 3 – Airfield Development Alternatives
- Station 4 – Conceptual Plan and ALP
- Station 5 – Development Program and Next Steps



# 2) Existing Airport Layout/Design Standards

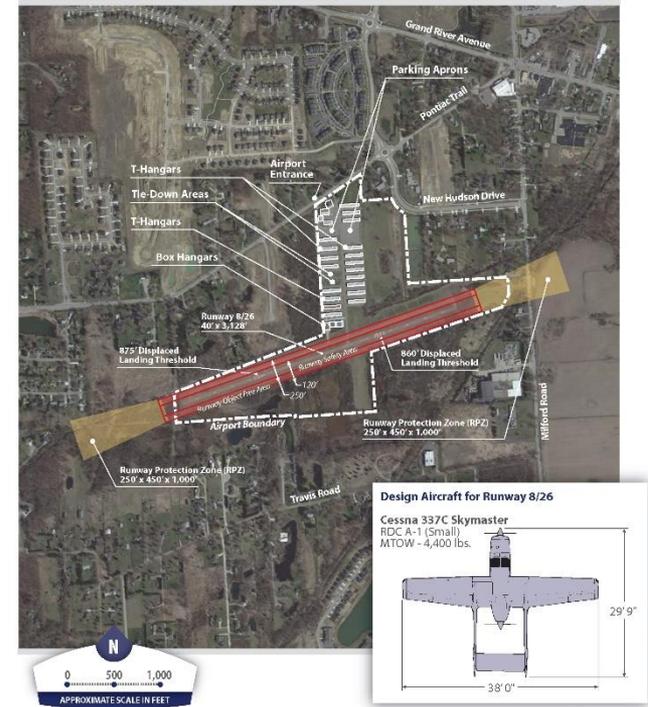


FIGURE C1 Dimensional Criteria

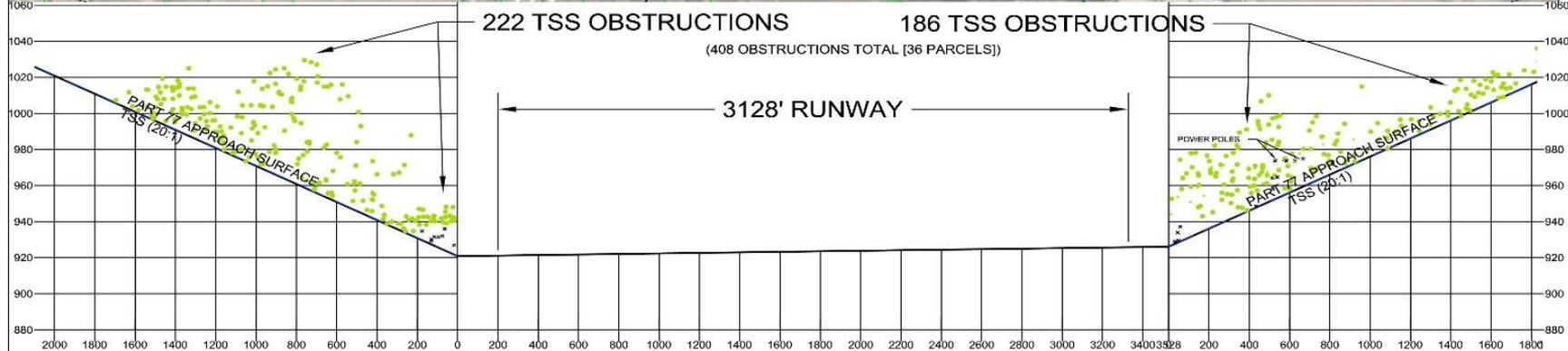
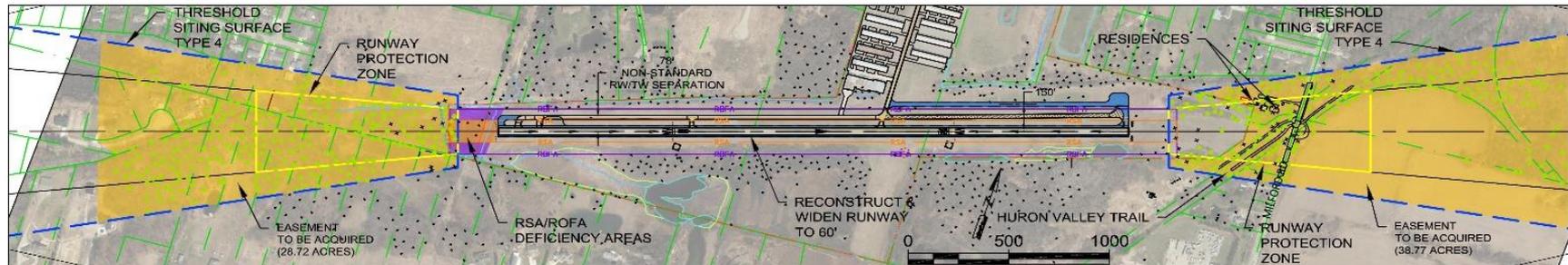
SOURCE: FAA's A-1, Page 1 (A1), 2016.

## 2) Runway Length Recommendations

- 2,400 feet future runway length
- Accommodate based and transient fleet mix
- Eliminate landing threshold displacements

### 3) Development Alternatives

- Goal to assess runway development alternatives that:
  - 1) Enhance safety
  - 2) Meet recommended length – potentially phased
  - 3) Maintain instrument approach capability
  - 4) Minimize necessary easements/tree removals
  - 5) Meet General Utility license standards



**DRAWING LEGEND**

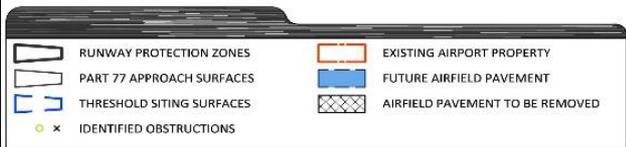
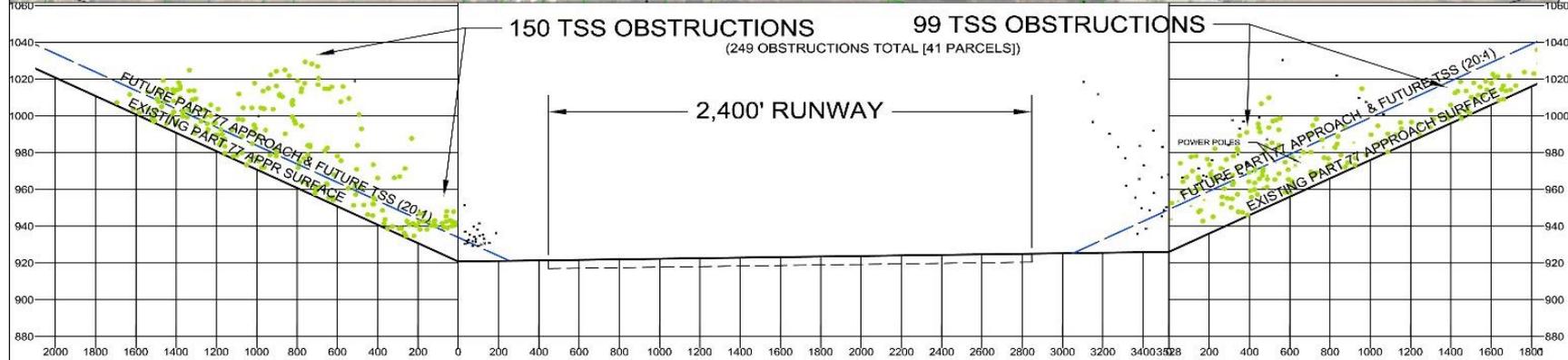
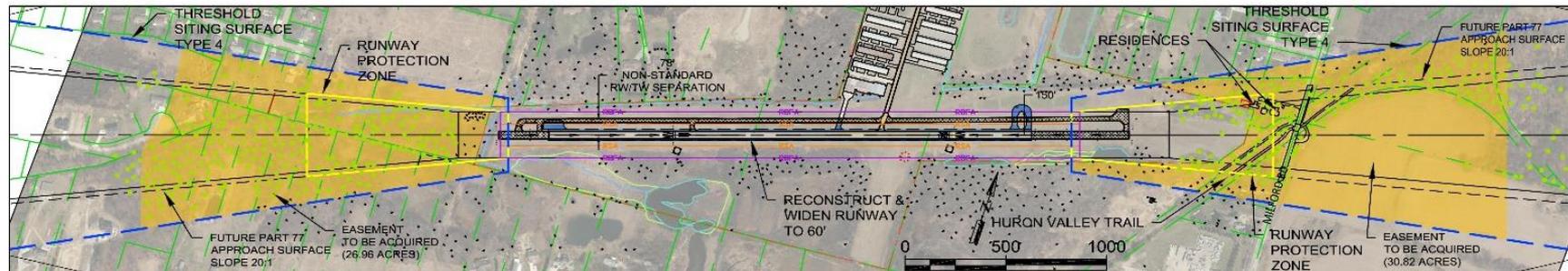
- |   |   |
|---|---|
|  RUNWAY PROTECTION ZONES   |  EXISTING AIRPORT PROPERTY       |
|  PART 77 APPROACH SURFACES |  FUTURE AIRFIELD PAVEMENT        |
|  THRESHOLD SITING SURFACES |  AIRFIELD PAVEMENT TO BE REMOVED |
|  IDENTIFIED OBSTRUCTIONS   |   |



OAKLAND SOUTHWEST AIRPORT  
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1512103-155884.01  
AUGUST 2017

Figure D5 TSS Type 4 - Alternative OneA



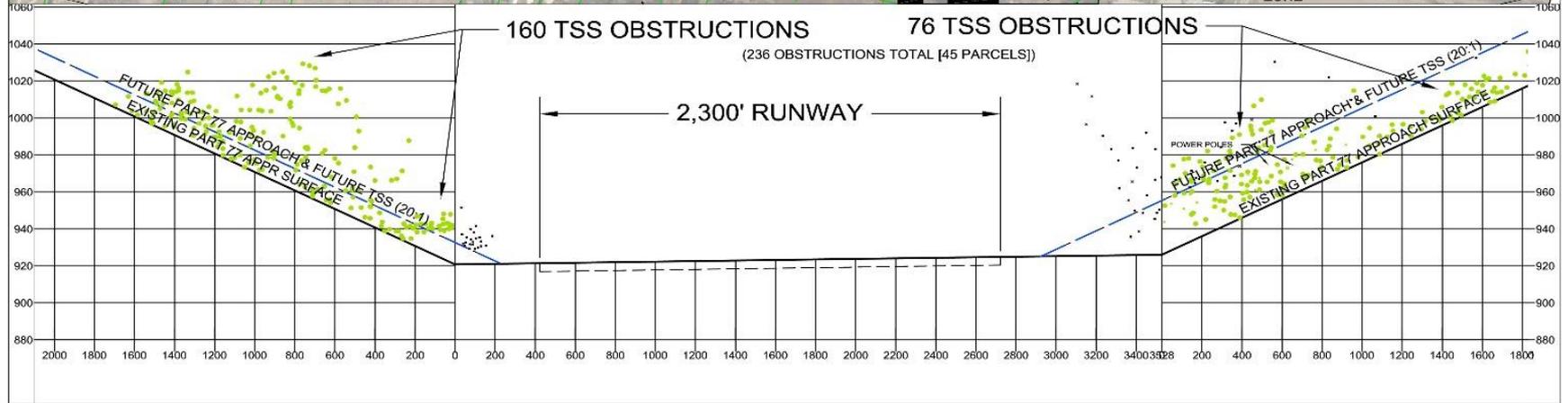
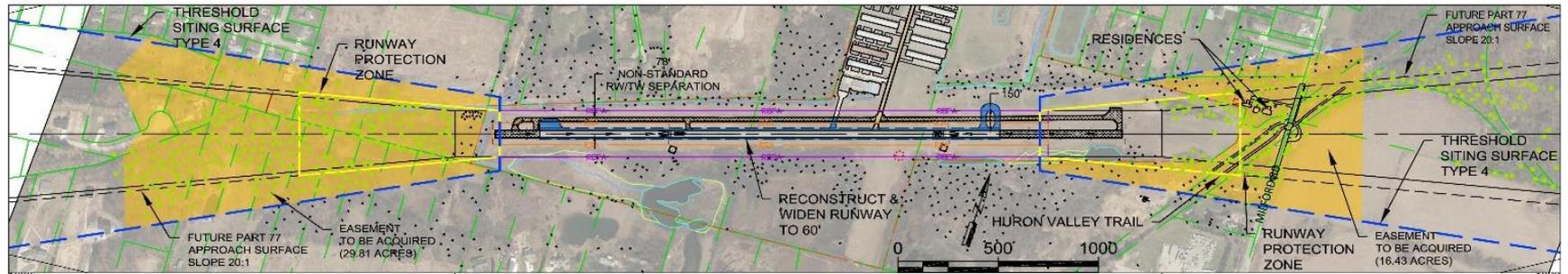


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Figure D7 TSS Type 4 - Alternative TwoA





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Figure D9 TSS Type 4 - Alternative ThreeA



# 3) Runway Development Alternatives Summary

	One	OneA	Two	TwoA	Three	ThreeA
Runway 8/26 Dimensions	60' x 3,128'	60' x 3,128'	60' x 2,400'	60' x 2,400'	60' x 2,300'	<b>60' x 2,300'</b>
Runway Design Code	A-I Small Aircraft	A-I Small Aircraft	A-I Small Aircraft	A-I Small Aircraft	A-I Small Aircraft	<b>A-I Small Aircraft</b>
Parallel Taxiway	Partial	Partial	None	None	None	<b>None</b>
Threshold Siting Surface (TSS)	Type 2	Type 4	Type 2	Type 4	Type 2	<b>Type 4</b>
Incompatible RPZ Land Uses	Residences, Milford Road, powerlines, trail, private drive	Residences, Milford Road, powerlines, trail, private drive	Residences, trail, private drive	Residences, trail, private drive	Trail, private drive	<b>Trail, private drive</b>
Residences to be Acquired within RPZ	3	3	3	3	0	<b>0</b>
Acres to be Acquired for RSA	1.14	1.14	0	0	0	<b>0</b>
Avigation Easement Parcels <sup>1</sup>	29	36	29	41	27	<b>40</b>
Trees to be Removed	196	478	95	226	90	<b>240</b>
Potential Wetland Impacts	Yes	Yes	No	No	No	<b>No</b>
Total Cost Estimate	\$7.4 Million	\$8.0 Million	\$5.2 Million	\$5.7 Million	\$4.5 Million	<b>\$5.5 Million</b>

### 3) Cost Estimate – ThreeA – 2,300’ Runway Length

Airside Alternative ThreeA (Threshold Siting Surface Type 4)	
Airfield Improvements	\$3,780,000
Avigation Easement Acquisition	\$1,390,500
Land Acquisition	\$0
Wetland Impacts/Mitigation	\$0
Obstruction/Tree Removal	\$288,000
Other Obstruction Removal/Powerline	\$0
<b>ALTERNATIVE TOTAL</b>	<b>\$5,458,500</b>

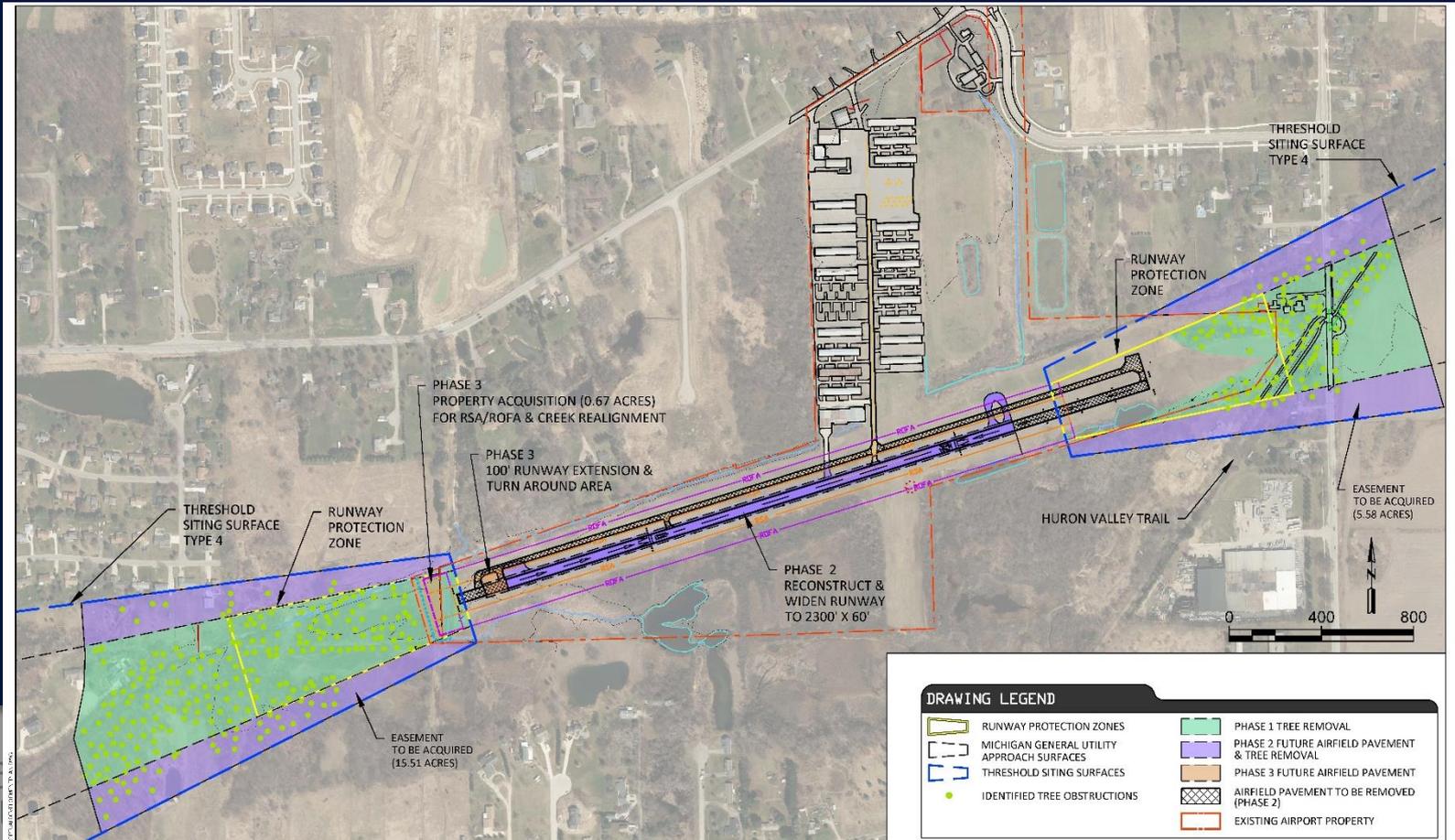
# Development Program

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# 4) Conceptual Development Plan – 3 Phased Approach



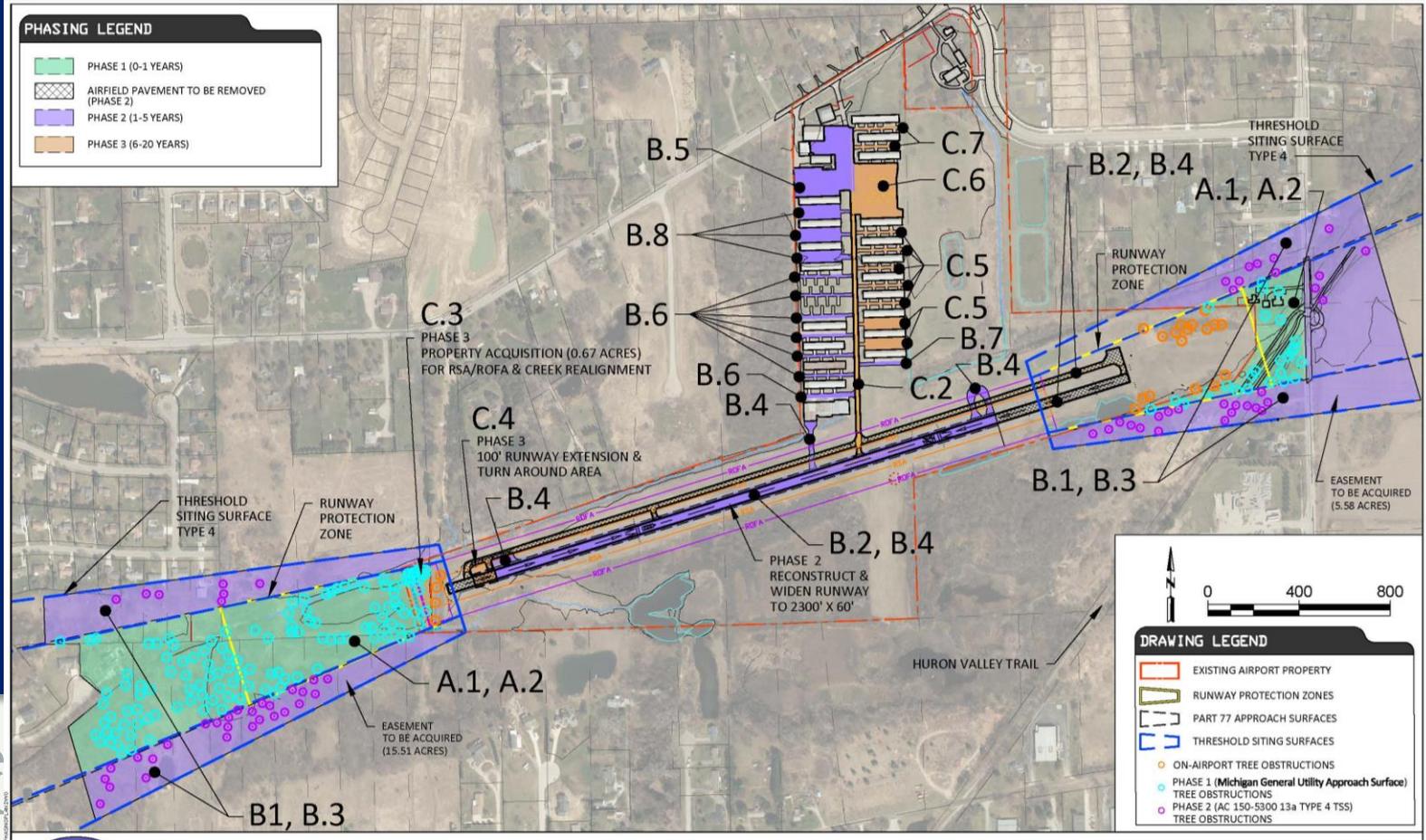
# 5) Proposed Development Program – 1 to 5 Years

Project Description		Total Costs	Federal Ent. (a)	Federal Apportion (b)	Federal Disc. (c)	State (d)	Local (e)	Other (f)
<b>Year 1</b>								
A. 1	Runway 8/26 Approach/RPZ Easement Acquisition (24 Parcels)	\$725,000	\$0	\$0	\$0	\$0	\$0	\$0
A. 2	Runway 8/26 Obstruction Removal (to meet TSA Type 2 Standards) (161 Trees)	\$194,000	\$0	\$0	\$0	\$0	\$0	\$0
<b>Sub-Total/Year 1 Projects</b>		<b>\$919,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Year 2</b>								
B.1	Runway 8/26 Approach/RPZ Easement Acquisition	\$450,000	\$405,000	\$0	\$0	\$22,500	\$22,500	\$0
B.2	Design Runway 8/26 Reconstruct Inner 2,300 feet and Construct Taxiway Turnaround and Pavement Removal	\$380,000	\$342,000	\$0	\$0	\$19,000	\$19,000	\$0
<b>Sub-Total/Year 2 Projects</b>		<b>\$830,000</b>	<b>\$747,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$41,500</b>	<b>\$41,500</b>	<b>\$0</b>
<b>Year 3</b>								
B.3	Runway 8/26 Obstruction/Tree Removal (to meet TSS Type 4)	\$80,000	\$72,000	\$0	\$0	\$4,000	\$4,000	\$0
B.4	Construct Runway 8/26 Reconstruct Inner 2,300 feet and Construct Taxiway Turnaround and Pavement Removal	\$3,800,000	\$0	\$0	\$3,420,000	\$190,000	\$190,000	\$0
B.5	Pavement Maintenance – Two Apron Area, West Side (A01NH-10)	\$88,000	\$79,200	\$0	\$0	\$4,400	\$4,400	\$0
<b>Sub-Total/Year 3 Projects</b>		<b>\$3,968,000</b>	<b>\$151,200</b>	<b>\$0</b>	<b>\$3,420,000</b>	<b>\$198,400</b>	<b>\$198,400</b>	<b>\$0</b>
<b>Year 4</b>								
B.6	Pavement Maintenance – 7 West Side and 1 East Side Taxilanes (TH01NH-20)	\$40,500	\$36,450	\$0	\$0	\$2,025	\$2,025	\$0
<b>Sub-Total/Year 4 Projects</b>		<b>\$40,500</b>	<b>\$36,450</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,025</b>	<b>\$2,025</b>	<b>\$0</b>
<b>Year 5</b>								
B.7	Pavement Maintenance – 1 East Side Taxilane (TH01NH-30)	\$7,000	\$6,300	\$0	\$0	\$350	\$350	\$0
B.8	Pavement Maintenance – 3 West Side Taxilanes (TH01NH-10)	\$54,000	\$48,600	\$0	\$0	\$2,700	\$2,700	\$0
<b>Sub-Total/Year 5 Projects</b>		<b>\$61,000</b>	<b>\$54,900</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,050</b>	<b>\$3,050</b>	<b>\$0</b>
<b>Total Phases I and II</b>		<b>\$5,818,500</b>	<b>\$989,550</b>	<b>\$0</b>	<b>\$3,420,000</b>	<b>\$244,975</b>	<b>\$244,975</b>	<b>\$0</b>

# 5) Proposed Development Program – 6 to 20 years

Project Description		Total Costs	Federal Ent. (a)	Federal Apportion (b)	Federal Disc. (c)	State (d)	Local (e)	Other (f)
<b>Phase III Projects (5-20 Years)</b>								
C. 1	Environmental Assessment for Land Acquisition, Wetlands Impacts and Runway Extension	\$200,000	\$180,000	\$0	\$0	\$10,000	\$10,000	\$0
C. 2	Pavement Maintenance – Center Taxilane (TWBNH-10)	\$40,500	\$36,450	\$0	\$0	\$2,025	2,025	\$0
C. 3	Acquire 0.67 acres for Runway Extension	\$275,000	\$247,500	\$0	\$0	\$13,750	\$13,750	\$0
C. 4	Extend Runway 8/26 by 100 feet	\$250,000	\$225,000	\$0	\$0	\$12,500	\$12,500	\$0
C. 5	Pavement Maintenance – 7 East Side Taxilanes (TH01NH-40)	\$34,000	\$30,600	\$0	\$0	\$1,700	\$1,700	\$0
C. 6	Pavement Maintenance East Side Apron (A01NH-20)	\$74,500	\$67,050	\$0	\$0	\$3,725	\$3,725	\$0
C. 7	Pavement Maintenance 3 East Side Taxilanes (TH01NH-10)	\$34,000	\$30,600	\$0	\$0	\$1,700	\$1,700	\$0
C. 8	Pavement Maintenance – Runway Rehab (RW826NH-10)	\$850,000	\$765,000	\$0	\$0	42,500	\$42,500	\$0
<b>Total Phase III Projects</b>		<b>\$1,758,000</b>	<b>\$1,582,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$87,900</b>	<b>\$87,900</b>	<b>\$0</b>
<b>GRAND TOTALS</b>		<b>\$7,576,500</b>	<b>\$2,571,750</b>	<b>\$0</b>	<b>\$3,420,000</b>	<b>\$332,875</b>	<b>\$332,875</b>	<b>\$0</b>

# 5) Figure G1 Phasing Plan



## 5) Next Steps

- Address public meeting comments
- FAA airspace review of Airport Layout Plan (ALP) Set
- FAA approval of Final ALP Update
- FAA application for runway rehabilitation funding
- Funding plan for easements and tree removal

Please Visit Open  
House Stations 1  
through 6 and ask  
Questions

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