



DETROIT METRO ▪ WILLOW RUN  
WAYNE COUNTY AIRPORT AUTHORITY



# Master Plan Update

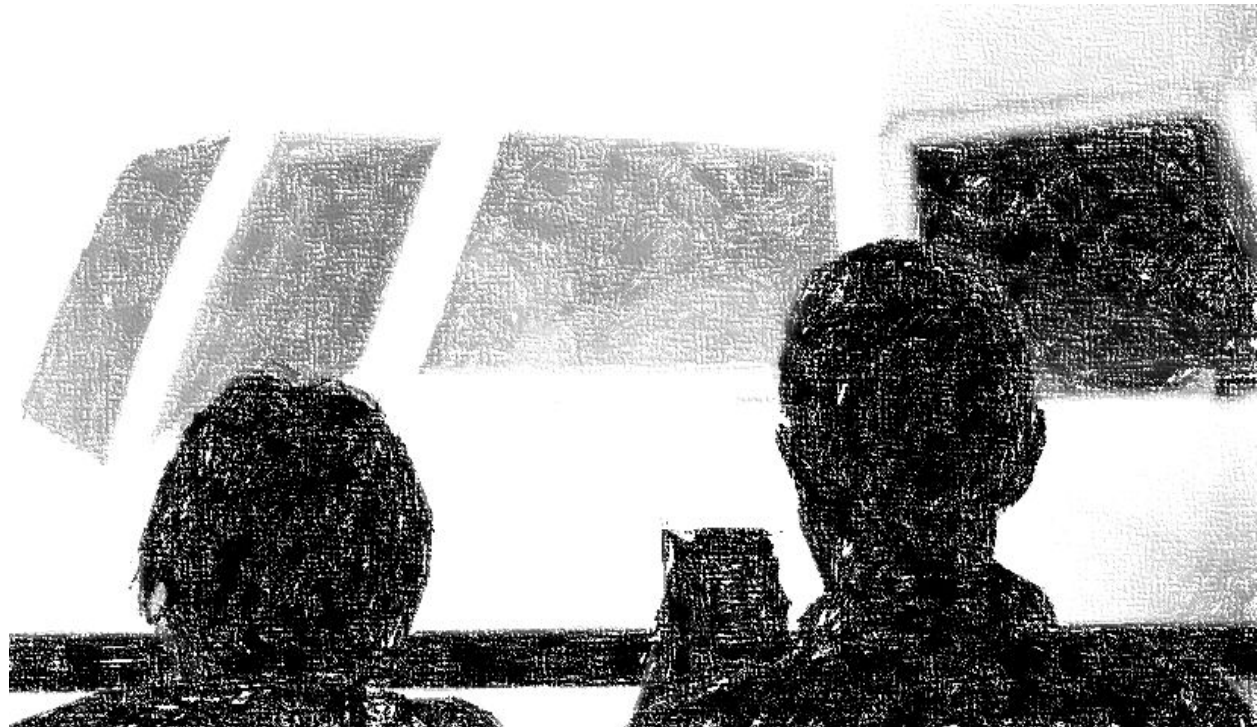
Detroit Metropolitan Wayne County Airport

Public Information Meeting

April 28, 2016

**Leigh** | Fisher

1. **What is an Airport Master Plan?**
2. **Key findings to date**
3. **Discussion with our stakeholders**
4. **Next steps**



# *What is an Airport Master Plan?*

# Wayne County Airport Authority – Airport System Plan

*A System Plan is being prepared in parallel with master plans for Detroit Metro and Willow Run airports*

1. Define Airport roles
2. Clarify the interrelationship between facilities
3. Optimize near- and long-term development



- 1. Alignment of multiple airports to work as a system as part of a Master Plan**
  
- 2. The Wayne County Airport Authority manages two airports:**
  - Willow Run Airport
  - Detroit Metropolitan Wayne County Airport
  
- 3. Each airport serves the community in unique ways**

# Proposed Airport Roles

## Willow Run

## Detroit Metro

Role

Reliever Airport

Commercial Service

Users



On-demand air cargo



General aviation flight training



Corporate and recreational general aviation



Aircraft maintenance



Large hub passenger operations



Integrated logistics carriers



High-end corporate general aviation



Aircraft maintenance

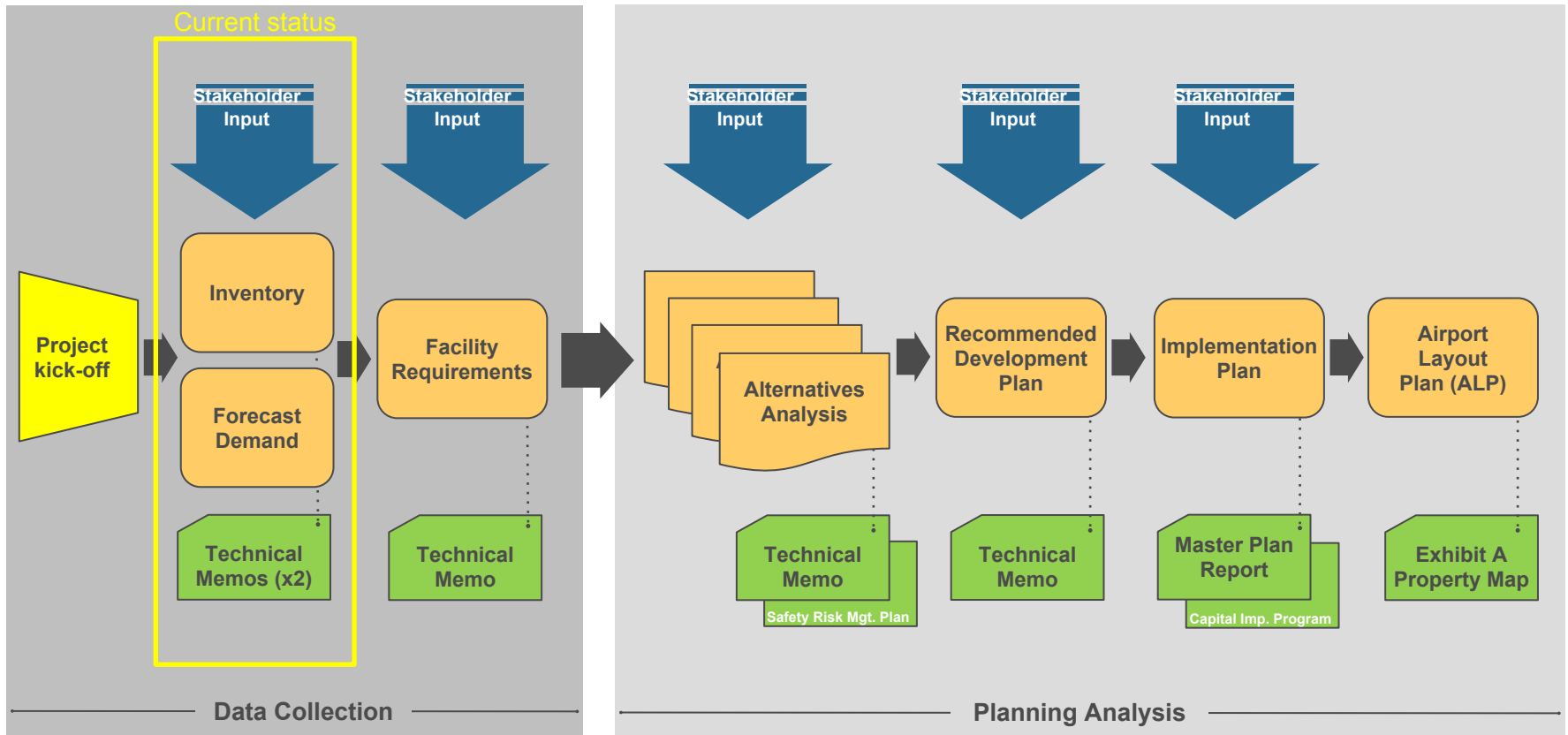
# Airport Master Plan

*A study to identify long range improvement plans for an Airport*



# The Master Planning Process

*The master planning process includes a series of technical analyses and summary documents, as well as opportunities for stakeholder and community input*





# Major Changes Since the 1990's



Northwest Airlines  
expansion and  
international service

Northwest Airlines acquired  
by Delta Air Lines

Second crosswind runway

4th parallel runway

South access roadway

Support facility expansion

McNamara Terminal  
(opened 2002)

North Terminal  
(opened 2008)

# Master Plan Goals and Objectives

*Aligned with the Authority's strategic focus – customers satisfaction, financial competitiveness & stability, operational excellence, people, and regional development & growth*

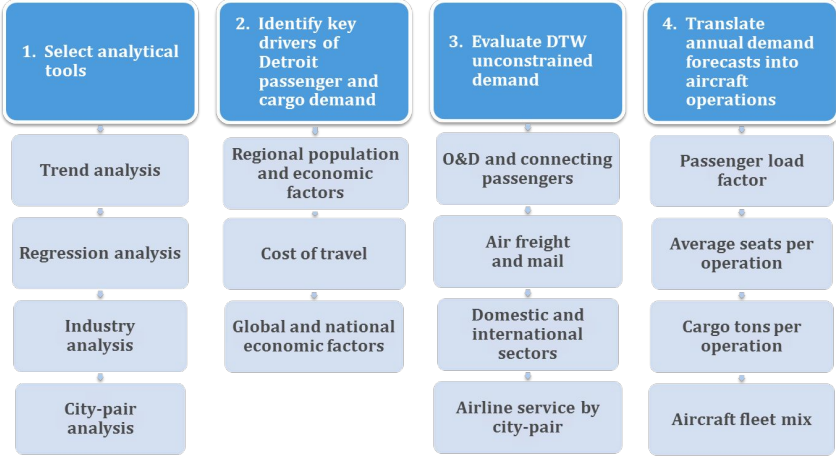
1. **Ensure safety and compliance with regulations**
2. **Establish a long-term strategy while maintaining competitive costs**
3. **Enhance the Airport's operation and facilities**
4. **Address known deficiencies with regard to certain facilities**
5. **Ensure high levels of service**
6. **Position the Airport and region to capitalize on future opportunities**
7. **Provide flexibility to adapt to changing circumstances**

And, we are seeking your input . . .

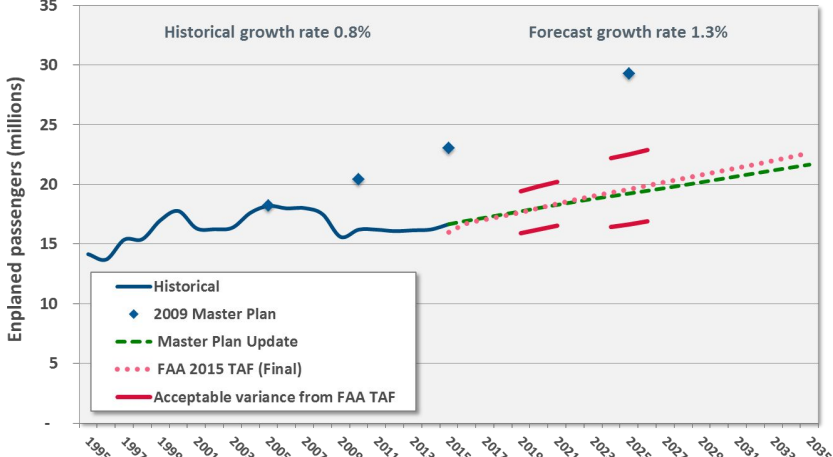
## *Key Findings to Date*

# Forecasts of Future Demand

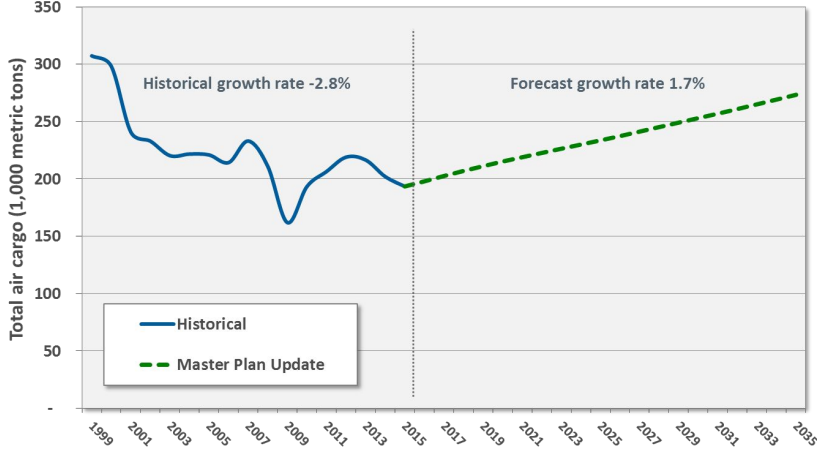
## Forecast Methodology and Approach



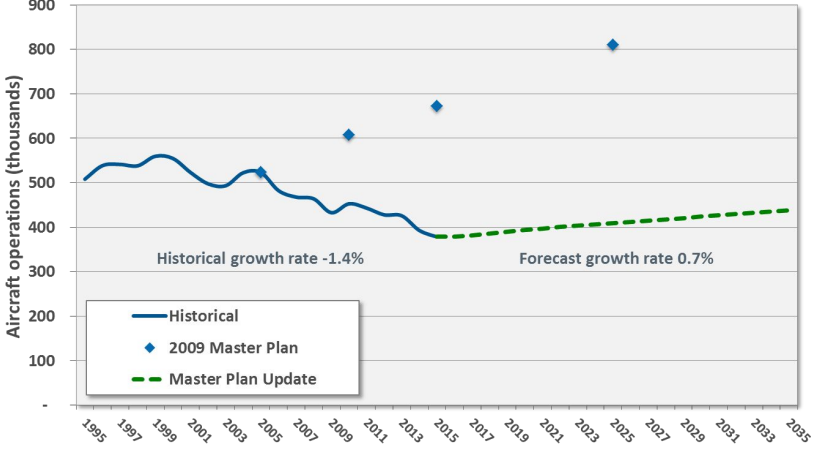
## Forecast Passengers



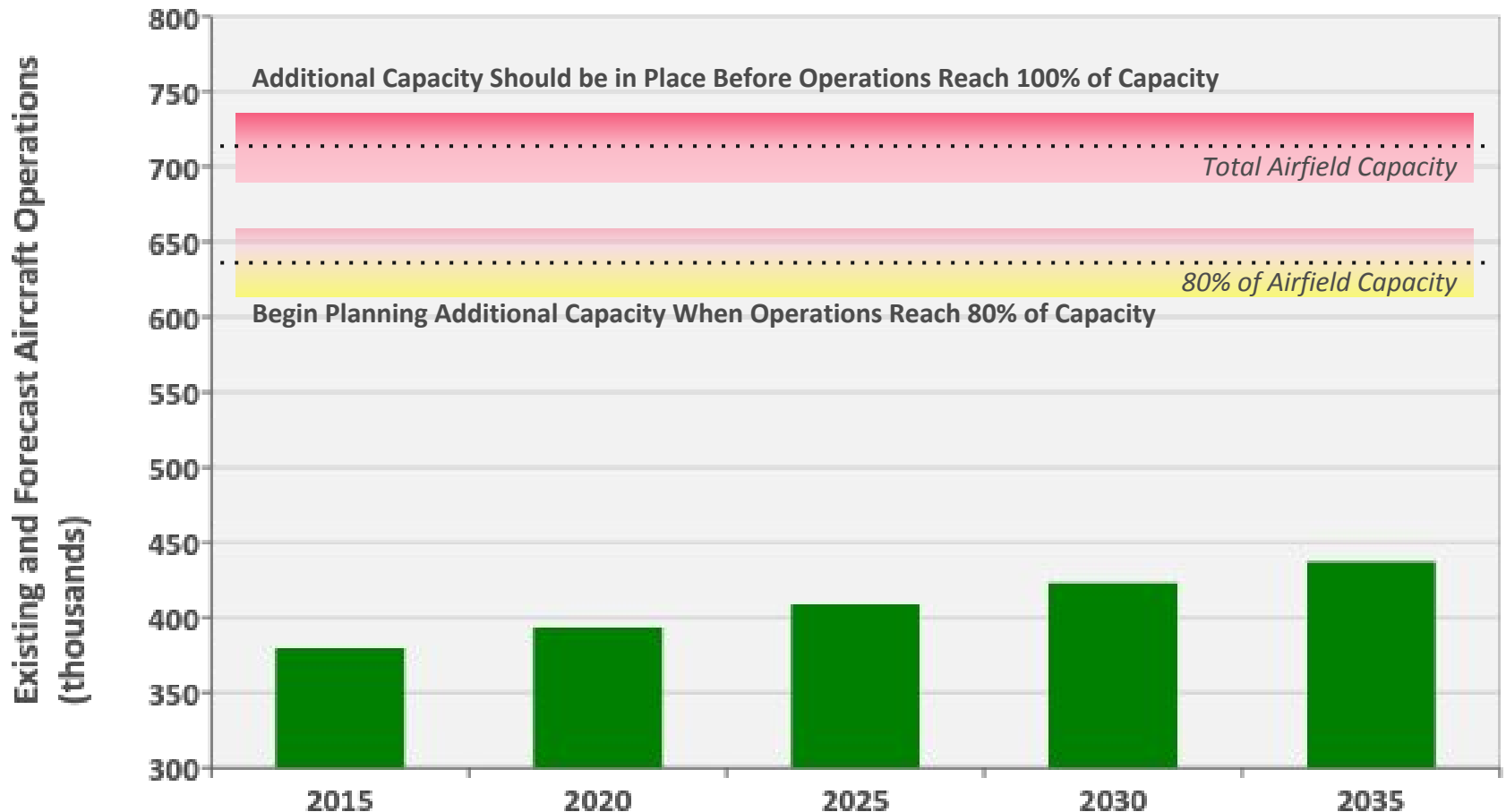
## Forecast Air Cargo



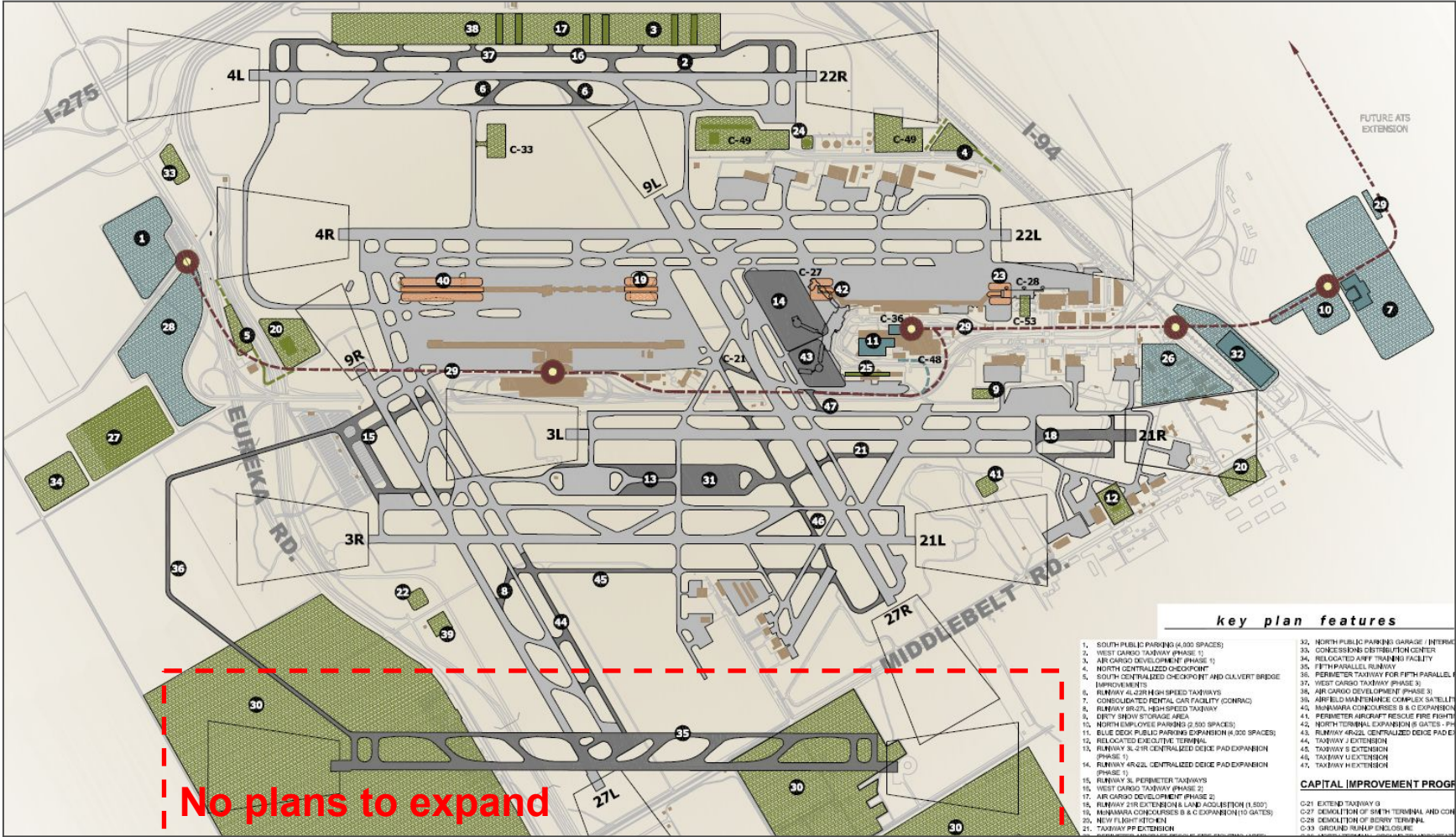
## Forecast Aircraft Operations



## Different from the 2009 Ultimate Master Plan, a new runway will not be needed in the 20 year planning horizon



# No Airport Expansion



**key plan features**

- |   |  |
|---|--|
| 1. SOUTH PUBLIC PARKING (4,000 SPACES)                          | 33. NORTH PUBLIC PARKING GARAGE / INTERIOR CONCESSIONS DISTRIBUTION CENTER |
| 2. WEST CARDO TAXIWAY (PHASE 1)                                 | 34. RELOCATED AFT TRAINING FACILITY  |
| 3. AIR CARDO DEVELOPMENT (PHASE 1)                              | 35. FIFTH PARALLEL RUNWAY  |
| 4. NORTH CENTRALIZED CHECKPOINT                                 | 36. PERIMETER TAXIWAY FOR FIFTH PARALLEL IMPROVEMENTS                      |
| 5. SOUTH CENTRALIZED CHECKPOINT AND CULVERT BRIDGE IMPROVEMENTS | 37. WEST CARDO TAXIWAY (PHASE 3)   |
| 6. RUNWAY 4L/2R HIGH SPEED TAXIWAYS                             | 38. AIR CARDO DEVELOPMENT (PHASE 3)  |
| 7. CONSOLIDATED RENTAL CAR FACILITY (CONRAC)                    | 39. AIRFIELD MAINTENANCE COMPLEX SATELLITE                                 |
| 8. RUNWAY 5/2L HIGH SPEED TAXIWAY                               | 40. MENAMARA CONCOURSES B & C EXPANSION                                    |
| 9. DIRTY BIWAY STORAGE AREA                                     | 41. PERIMETER AIRCRAFT RESCUE FIRE FIGHT                                   |
| 10. NORTH EMPLOYEE PARKING (2,500 SPACES)                       | 42. NORTH TERMINAL EXPANSION (5 GATES - PH 4)                              |
| 11. BLUE DECK PUBLIC PARKING EXPANSION (4,000 SPACES)           | 43. RUNWAY 4R/2L CENTRALIZED DEICE PAD ET                                  |
| 12. RELOCATED EXECUTIVE TERMINAL                                | 44. TAXIWAY J EXTENSION  |
| 13. RUNWAY 5-2R CENTRALIZED DEICE PAD EXPANSION (PHASE 1)       | 45. TAXIWAY K EXTENSION  |
| 14. RUNWAY 4R/2L CENTRALIZED DEICE PAD EXPANSION (PHASE 1)      | 46. TAXIWAY L EXTENSION  |
| 15. RUNWAY 3L PERIMETER TAXIWAYS                                | 47. TAXIWAY M EXTENSION  |
| 16. WEST CARDO TAXIWAY (PHASE 2)                                |  |
| 17. AIR CARDO DEVELOPMENT (PHASE 2)                             |  |
| 18. RUNWAY 21R EXTENSION (LAND ACQUISITION (1,500')             |  |
| 19. MENAMARA CONCOURSES B & C EXPANSION (TO GATES)              |  |
| 20. NEW FLIGHT INTENSION  |  |
| 21. TAXIWAY P EXTENSION   |  |
|   | 48. TAXIWAY N EXTENSION  |
|   | 49. TAXIWAY O EXTENSION  |

**CAPITAL IMPROVEMENT PROG**

- C-21. EXTEND TAXIWAY G
- C-27. DEMOLITION OF SOUTH TERMINAL AND CON
- C-28. DEMOLITION OF DIRTY TERMINAL
- C-33. CIRCUIT RUMUP ENCLOSURE

**No plans to expand**

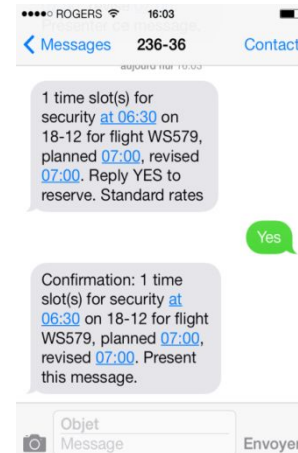
# Key Findings: General Assessment

The airport is in good condition, well maintained, and well positioned to accommodate future activity



# Key Findings to Date: Passenger Terminals

The passenger terminals provide sufficient capacity, although changes will be identified to enhance levels of service and the customer experience





**\$10.2 B** *Total economic impact to the state and region*

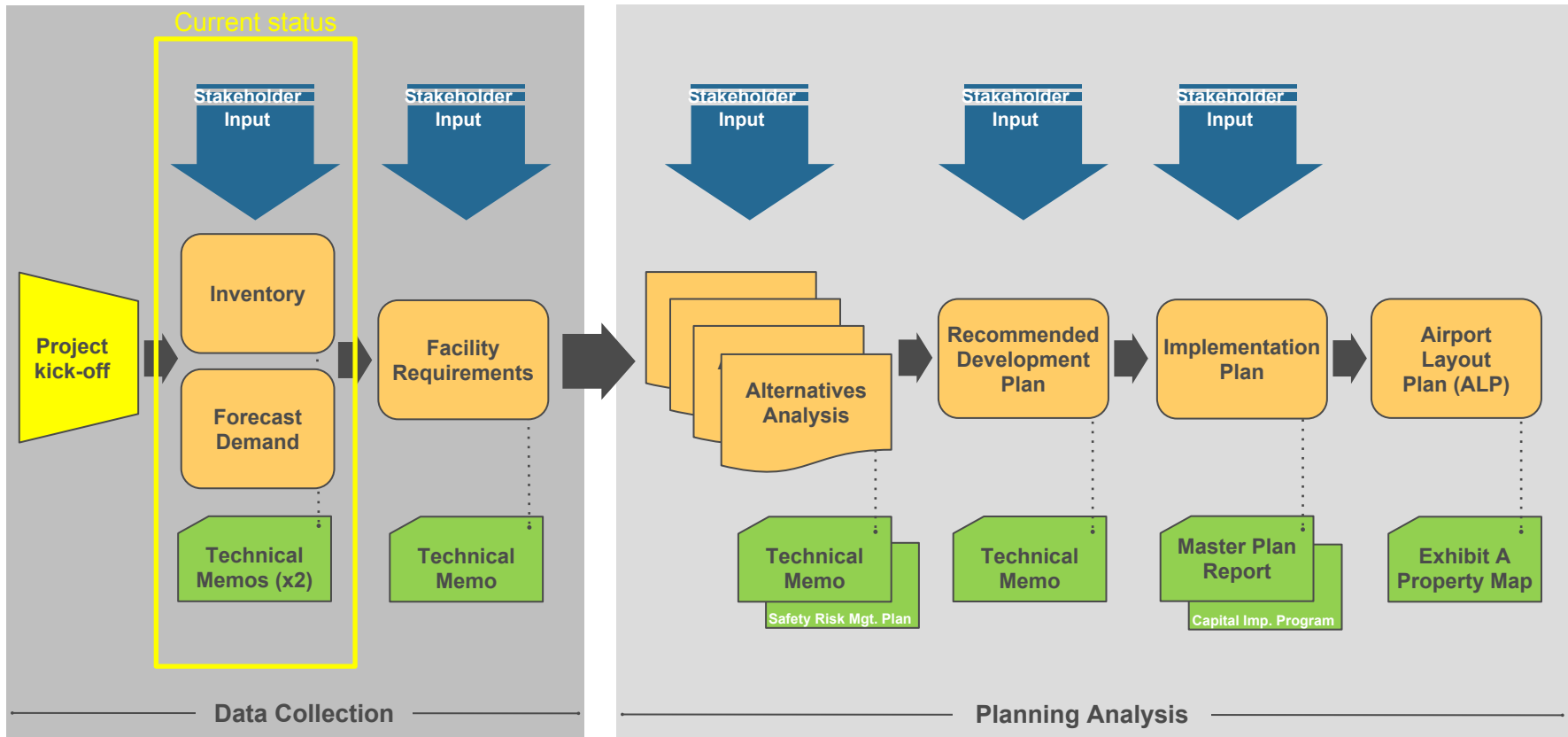
**86,000** *Jobs created by the Airport*

**No taxes** *Airport operations and improvements are paid for by the users*

*Next Steps*

# The Master Planning Process

*The master planning process includes a series of technical analyses and summary documents, as well as opportunities for stakeholder and community input*




# Project Website and Mobile App


[www.detroitmetroairportmasterplan.org](http://www.detroitmetroairportmasterplan.org)

**Detroit Metropolitan Wayne County Airport Master Plan Update**

Welcome


An airport Master Plan is a comprehensive study that identifies near-, medium-, and long-term plans for airport development. This Master Plan Update will provide the Wayne County Airport Authority and its stakeholders with a comprehensive, organized, and rational plan for developing airport facilities over the next 20-years. This Plan will allow the Authority to efficiently and effectively meet the demands for commercial passenger and air cargo service, as well as other aviation-related needs. Development of the Master Plan Update will include input from stakeholders who have an interest in the Airport's future, such as: Airport users, community groups, local businesses, government agencies, and the general public.






**View the Schedule**  
View the Master Plan Update schedule, progress, and other facts

Go!




**Attend an Event**  
View upcoming opportunities for involvement

Go!



**Documentation**  
Download and review project materials


Go!



**Leave a Comment**  
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News and Updates



**Garage B Complete**  
We are happy to announce that Garage B is now complete. We are moving along through these...

Read More

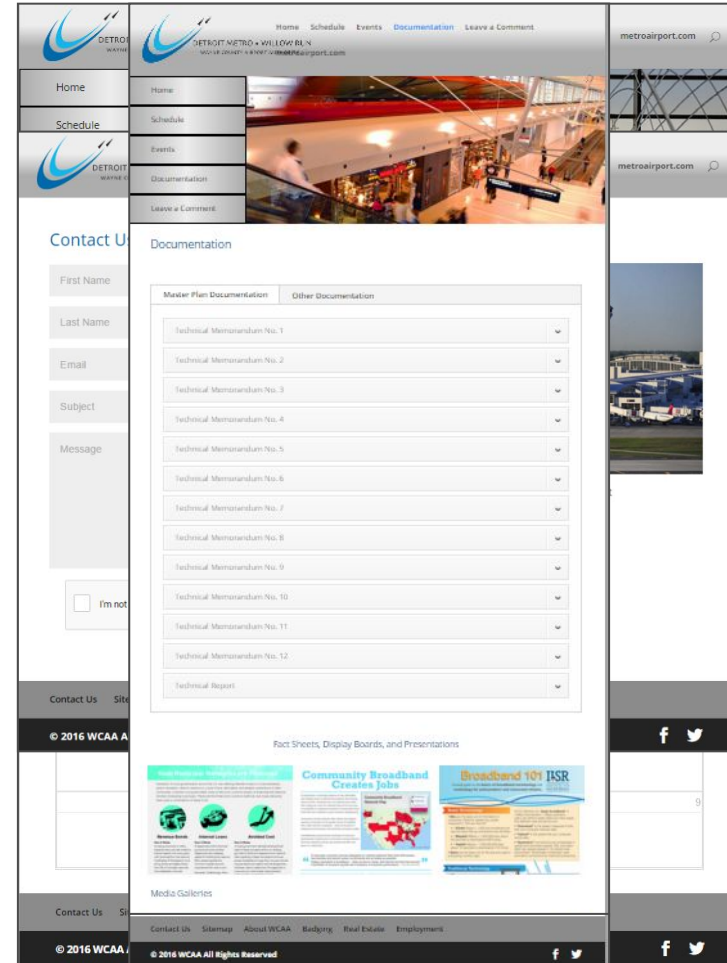
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The screenshot shows the website's layout. At the top, there is a navigation bar with links for Home, Schedule, Events, Documentation, and Leave a Comment. Below this is a main content area with a large image of the airport terminal. To the left, there is a 'Contact Us' form with fields for First Name, Last Name, Email, Subject, and Message. To the right, there is a 'Documentation' section with a list of technical memorandums (No. 1 through 12) and a report. At the bottom, there is a footer with copyright information and social media icons.