



Rahm Emanuel  
Mayor



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Best Airport in North America  
Chicago O'Hare  
International Airport  
Ninth Consecutive Year  
2012



O'HARE NOISE  
COMPATIBILITY  
COMMISSION

# CHICAGO DEPARTMENT OF AVIATION AND THE O'HARE MODERNIZATION PROGRAM

## Current Construction Projects

May 2, 2014



# O'HARE INTERNATIONAL AIRPORT

## CURRENT CONFIGURATION

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# PHASE 1 & COMPLETION PHASE



**9L-27R**  
Completed Nov. 2008

**Taxiway Z**  
Completed Oct. 2013

**NATCT**  
Completed Nov. 2008

**CRCF/ATS Extension**  
4<sup>th</sup> Quarter 2015

**9C-27C**  
2020

**9R-27L Extension**  
2020

**Taxiway LL (Part 1)**  
4<sup>th</sup> Quarter 2015

**Taxiway LL (Part 2)**  
2018

**Taxiways K & L**  
4<sup>th</sup> Quarter 2015

**10L-28R Extension**  
Completed Sept. 2008

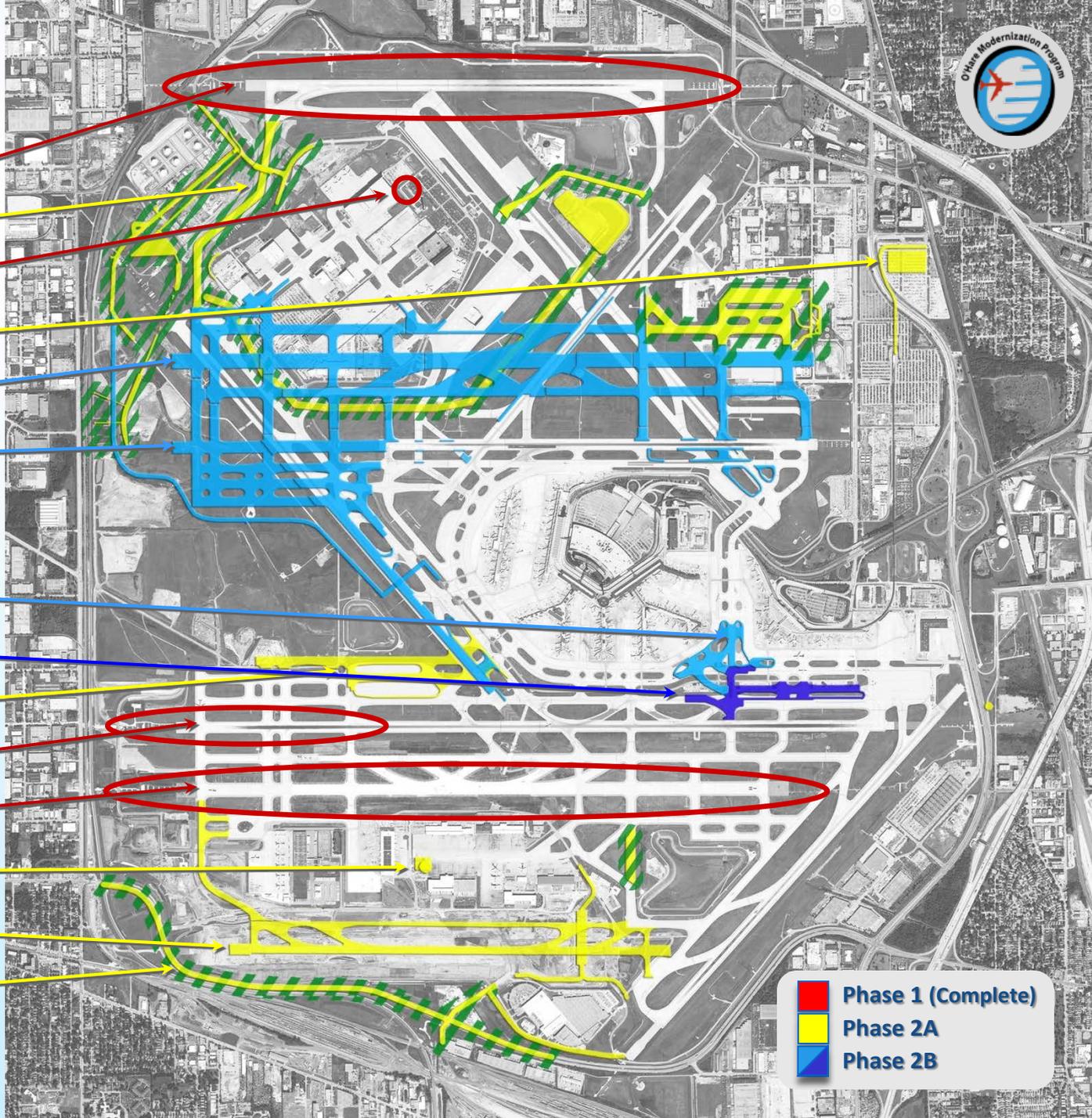
**10C-28C**  
Completed Oct. 2013

**SATCT**  
4<sup>th</sup> Quarter 2015

**10R-28L**  
4<sup>th</sup> Quarter 2015

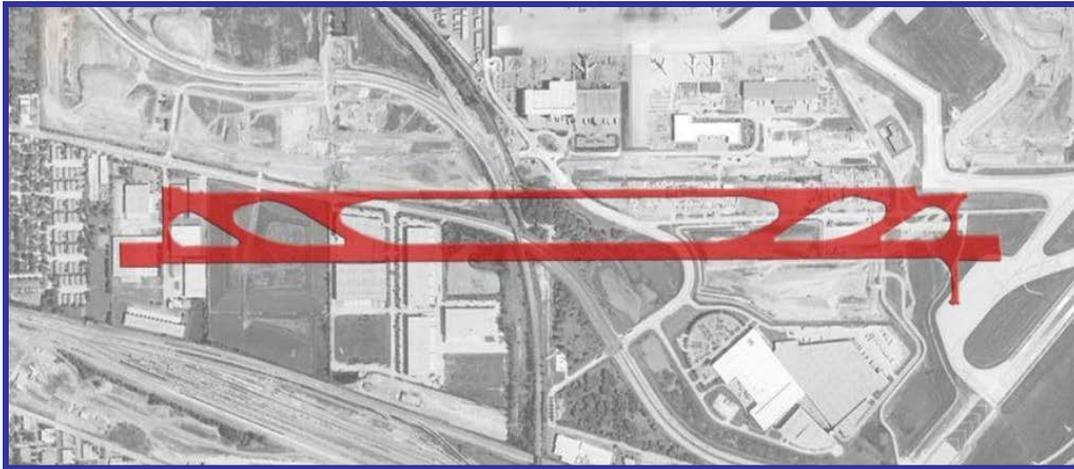
**Irving Park Rd. Relocation**  
Completed Nov. 2012

Highlighted areas designate completed Phase 2A projects



Phase 1 (Complete)  
 Phase 2A  
 Phase 2B

# RUNWAY 10R-28L SITE PREPARATION



**General Description:** The project includes most earthwork and utilities required for Runway 10R, Taxiway ZC, Taxiway R and associated crossover taxiways and the South Access Road. It includes approximately 3 million cubic yards of earthwork, and extensive new and relocated utilities, including power, communications, water, sanitary and storm sewer. It also includes construction of the South Access Road, which will be the entrance into the southwest cargo area.

Project Duration	3/16/2012 – 7/31/2014
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## Major Work Items and Estimated Quantities

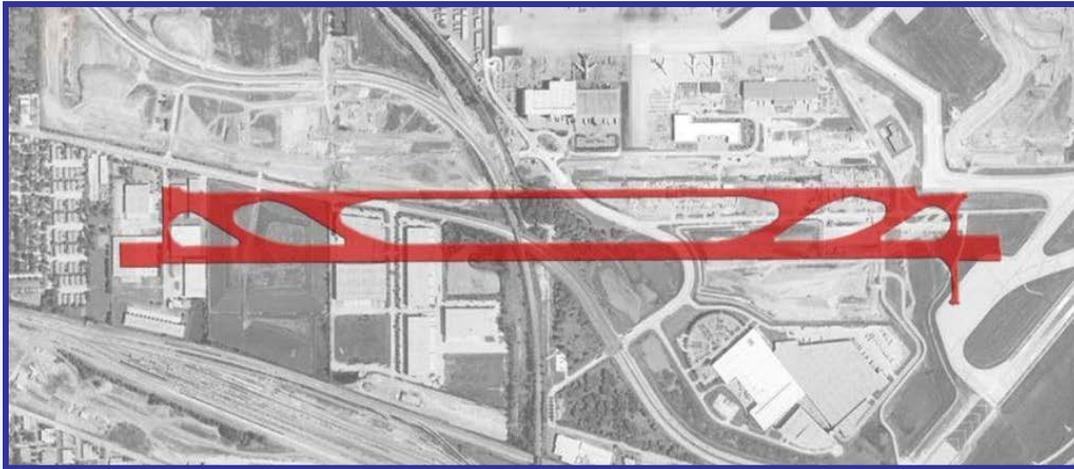
- Excavation 3.3 million CY
- Storm Sewers 15,000 linear feet
- Ductbanks 15,000 linear feet

## Miscellaneous

This project is mostly Landside with a small amount of the work being Airside.



# RUNWAY 10R-28L NAVAIDS & FOTS



## General Description:

This project includes the construction of all NAVAID facilities to support future Runway 10R-28L . These facilities include: ALSF-2 lights and shelters, Glide Slope Systems, Localizers, Inner Markers, Farfield Monitors, and Runway Visual Range (RVR) sensors.

Project Duration	4/1/2014 – 8/29/2015
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### Major Work Items and Estimated Quantities

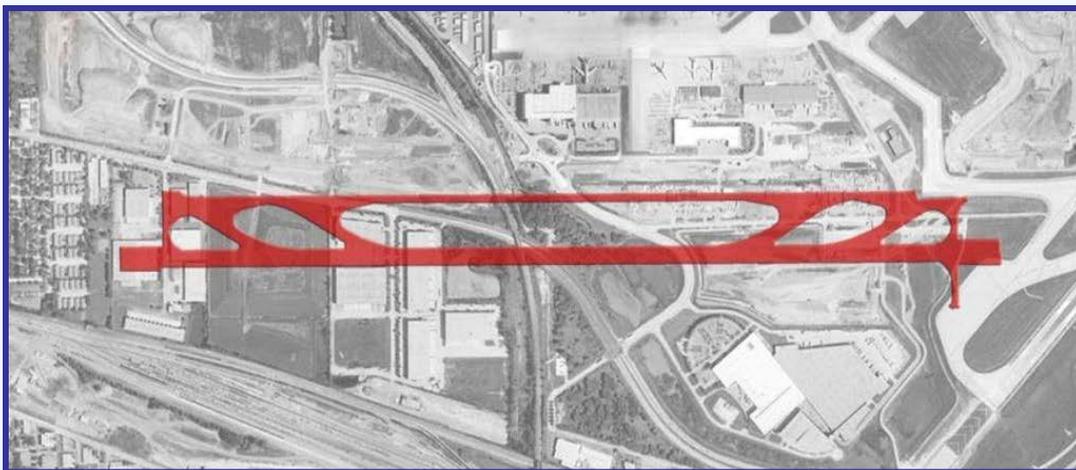
- Asphalt Pavement 20,000 SY
- Fencing 12,000 SY
- 5Kv Airfield Lighting Cable 70,000 LF
- Various NAVAID facilities or shelters 12 EA
- PVC concrete encased ductbank 14,400 LF
- Bare copper guard wire 18,000 LF

### Miscellaneous

This is mostly an landside project, and is the fourth of four projects towards completion of Runway 10R-28L. Project will include installation of government furnished equipment.



# RWY 10R-28L PAVING



## General Description

Provide paving of 7,500 ft. x 150 ft. runway, 75 ft. parallel taxiway, and connecting taxiways. All runway and taxiway lighting, signage and painting is included with this contract.

Project Duration	4/21/2014 – 10/15/2015
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## Major Work Items and Estimated Quantities

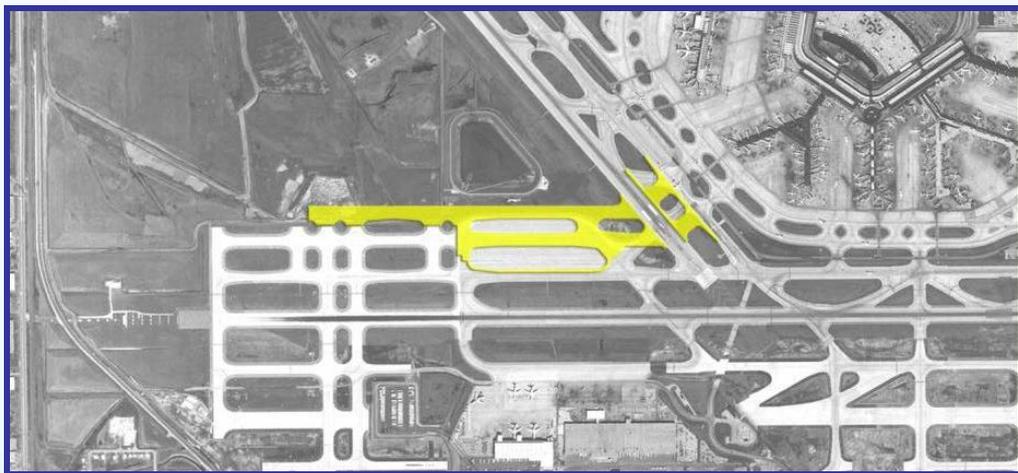
- 17" Portland Cement Concrete 300,000 SY
- Pavement markings 417,000 SF
- Warm Mix Asphalt 175,000 Ton
- Airfield Lighting Cable 279,000 LF

## Miscellaneous

This project is airside and landside and is the fourth of five projects that complete Runway 10R-28L.



# TAXIWAY K AND L



Project Duration	3/15/2014 – 10/15/2014
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## Major Work Items and Estimated Quantities

- 18' PCC Pavement 100,000 SY
- Asphalt Shoulder Pavement 65,000 SY
- Pavement Demolition 75,000 SY

## Miscellaneous

This project is airside.

## General Description

This project includes the construction of Taxiways 45 and 46 (a.k.a. L and K). The original Taxiway 45 project scope included a tunnel underneath the new taxiway, roads to and from the tunnel, and Storm Sewer Systems 2A and 3A. The new project scope has eliminated the tunnel and storm sewers, but has added Taxiway 46. As part of the Taxiway Renaming Program, Taxiways 46 and 45 are being renamed to Taxiways K and L, respectively.



# ATS EXPANSION AND MODERNIZATION - DBOM



Project Duration	9/1/2014 – 12/30/2016
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## General Description

This project is comprised of two components. The first component, a design-build delivery, is for the modernization/ replacement of the existing ATS fleet and train controls system. In addition, the modernization includes the extension of the existing ATS to the Joint-Use Facility. The second component, a fifteen (15) year term services agreement, is for the operations and maintenance of the ATS commencing upon commissioning of the modernized ATS.

## Miscellaneous:

The duration of the Maintenance and Operations services is fifteen (15) years with two (2) five (5) year options.



# MANNHEIM ROAD (US 12/45) RECONSTRUCTION



## General Description

This IDOT Project includes the reconstruction and widening of over 3 miles of Mannheim Road (US 12/45) from Irving Park Road (US 19) to Higgins Road (US 72). Work includes the addition of a southbound Mannheim Road exit to Balmoral Drive via a new underpass.

Project Duration	5/8/2013 – 10/1/2015(est)
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## Major Work Items and Estimated Quantities

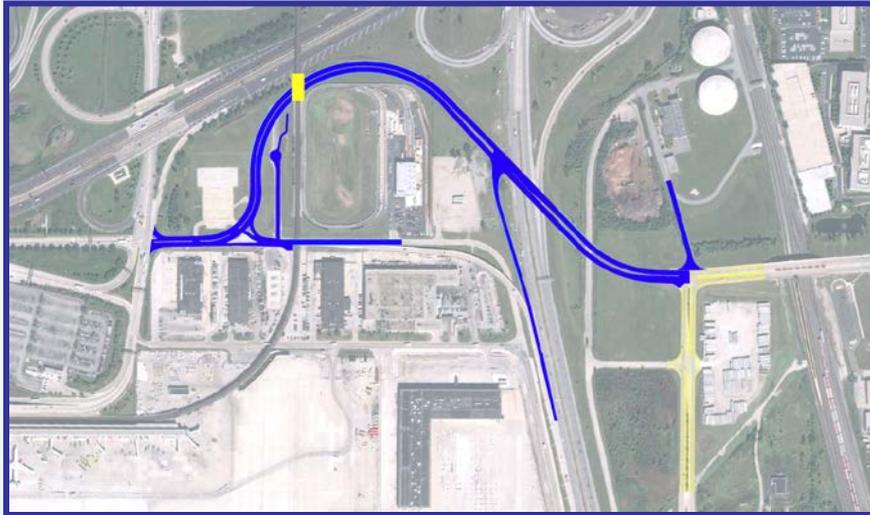
- 10 ¾" PCC Pavement 230,000 SY
- Bridge Structures 1
- Pavement Demolition 205,000 SY
- Earth Excavation 225,000 CY

## Miscellaneous

This project is  
landside.



# ATS BRIDGE MODIFICATION AND BALMORAL AVENUE EXTENSION



Project Duration	9/18/2013 – 10/1/2015
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## Major Work Items and Estimated Quantities

- 10" PCC Pavement 26,000 SY
- Pavement Removal 18,000 SY
- Bridge Structure over Mannheim 1 LS
- ATS Bridge Replacement 1 LS

## Miscellaneous

These projects are landside.

## General Description

These CDOT projects allow for a connection between Bessie Coleman Drive and Balmoral Drive on the east side of Mannheim Road. The project includes a new bridge structure over Mannheim road and a connection at the intersection of Bessie Coleman Drive and Sky Drive. To allow for the new road to pass below the ATS Bridge, the existing superstructure and pier will be removed and a new pier will be constructed. ATS service to Parking Lot E will be suspended during bridge reconstruction

