



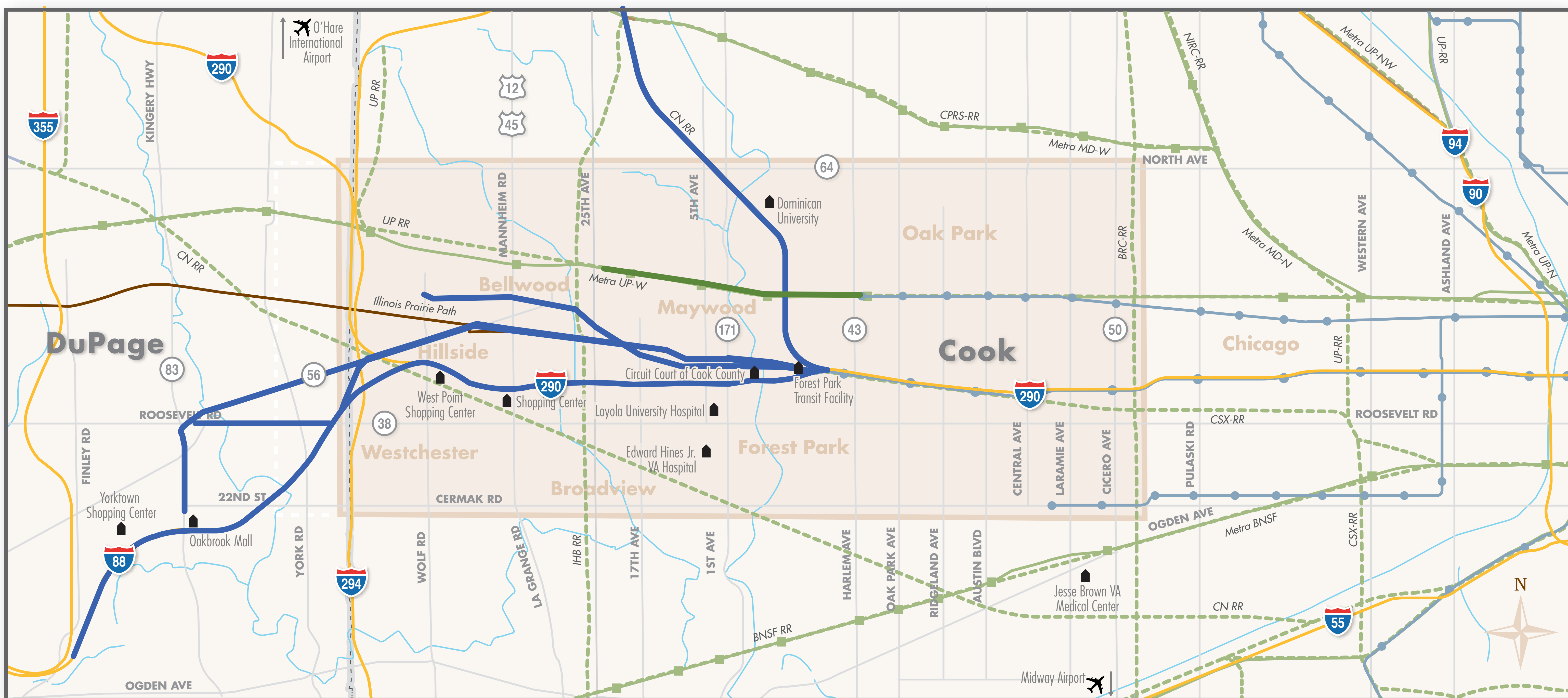
# STATION #3 INITIAL ALTERNATIVES

# INITIAL ALTERNATIVES ▶ Heavy Rail Transit (HRT)



## High capacity transit mode serving urban areas:

- » Steel wheeled, high performance electric powered rail vehicles
- » Right-of-way is usually grade separated (elevated, below grade, or subway)
- » Station spacing is generally 1 mile apart



\*Not to scale

### Legend

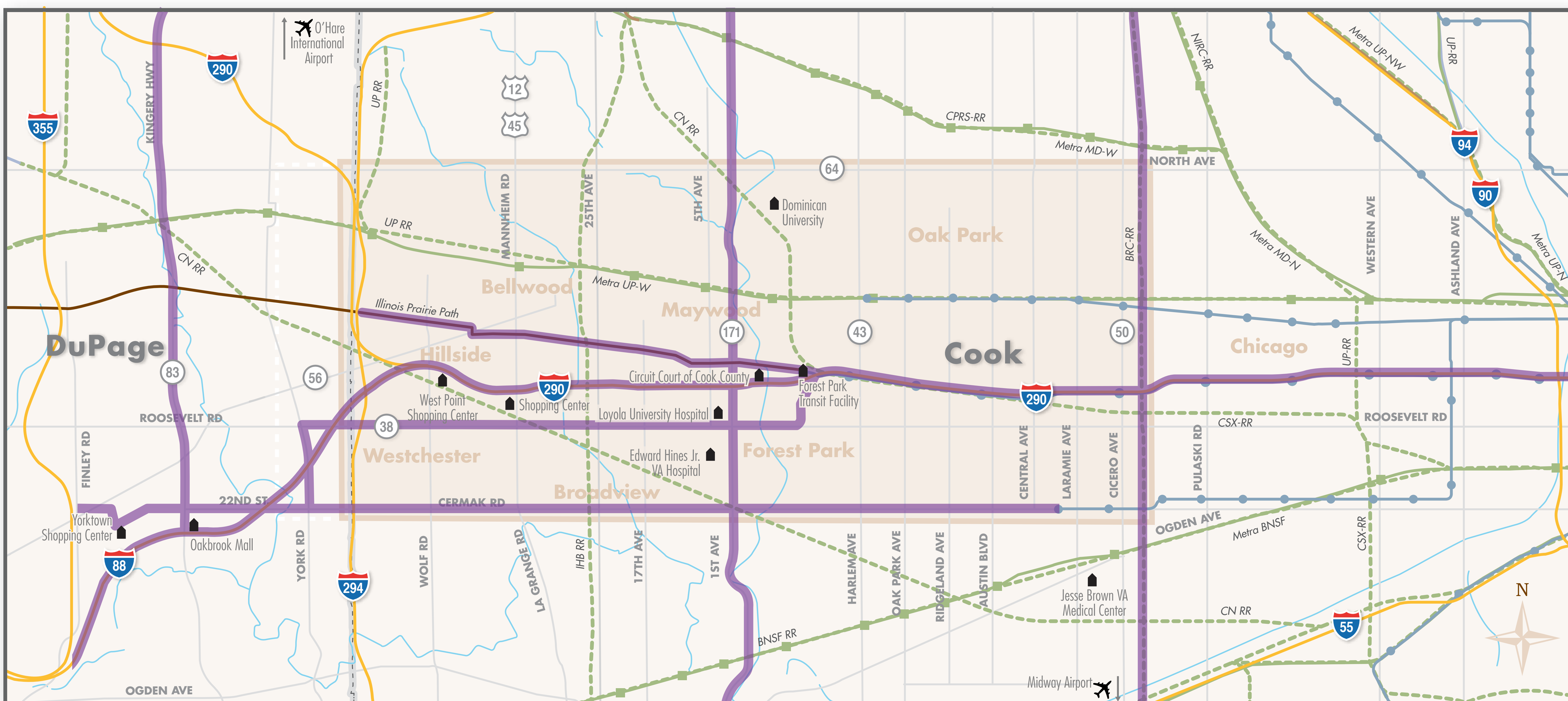
- |                                  |                                 |                               |                                |
|----------------------------------|---------------------------------|-------------------------------|--------------------------------|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundry                | <b>ALTERNATIVE SUGGESTIONS</b> |
| Metra Line/Station               | Railroad                        | River                         |                                |
| Existing CTA Rail/Station Access | I-290 Study Area                | Suggested Blue Line Extension |                                |
|                                  |                                 |                               | Suggested Green Line Extension |

# INITIAL ALTERNATIVES ▶ *Bus Rapid Transit (BRT)*



**Medium-high capacity transit mode serving urban and suburban areas:**

- » Rubber tired bus vehicles including diesel gasoline or alternative fuel powered
- » Operates on reserved lanes
- » Station spacing varies from 0.25-2 miles apart



*\*Not to scale*

### Legend

- |                                  |                                 |                |
|----------------------------------|---------------------------------|----------------|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundry |
| Metra Line/Station               | Railroad                        | River          |
| Existing CTA Rail/Station Access | I-290 Study Area                |                |

### ALTERNATIVE SUGGESTIONS

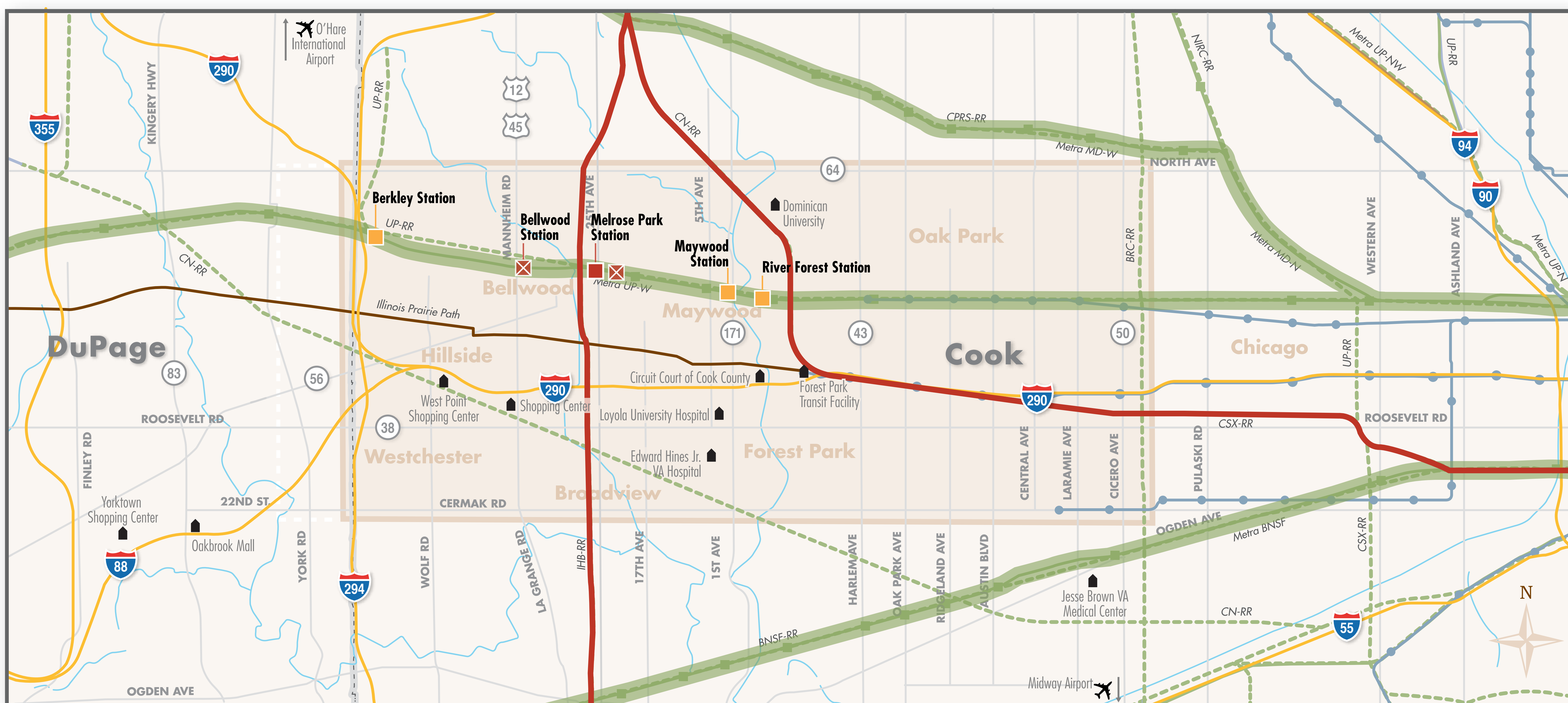
- Suggested Bus Rapid Transit

# INITIAL ALTERNATIVES ▶ Commuter Rail



**High capacity transit mode typically operating between central city and suburbs:**

- » Steel wheeled, high performance electric or diesel powered train sets
- » Right-of-way is grade separated (ground level, raised embankment, or below grade)
- » Station spacing is generally 2-5 miles apart



*\*Not to scale*

## Legend

- |                                  |                  |
|----------------------------------|------------------|
| Interstate                       | Railroad         |
| Metra Line/Station               | I-290 Study Area |
| Existing CTA Rail/Station Access | County Boundry   |
| IL Prairie Path Multi-Use Trail  | River            |

## ALTERNATIVE SUGGESTIONS

- Suggested New and Extension Transit
- Suggested Metra Service Improvements

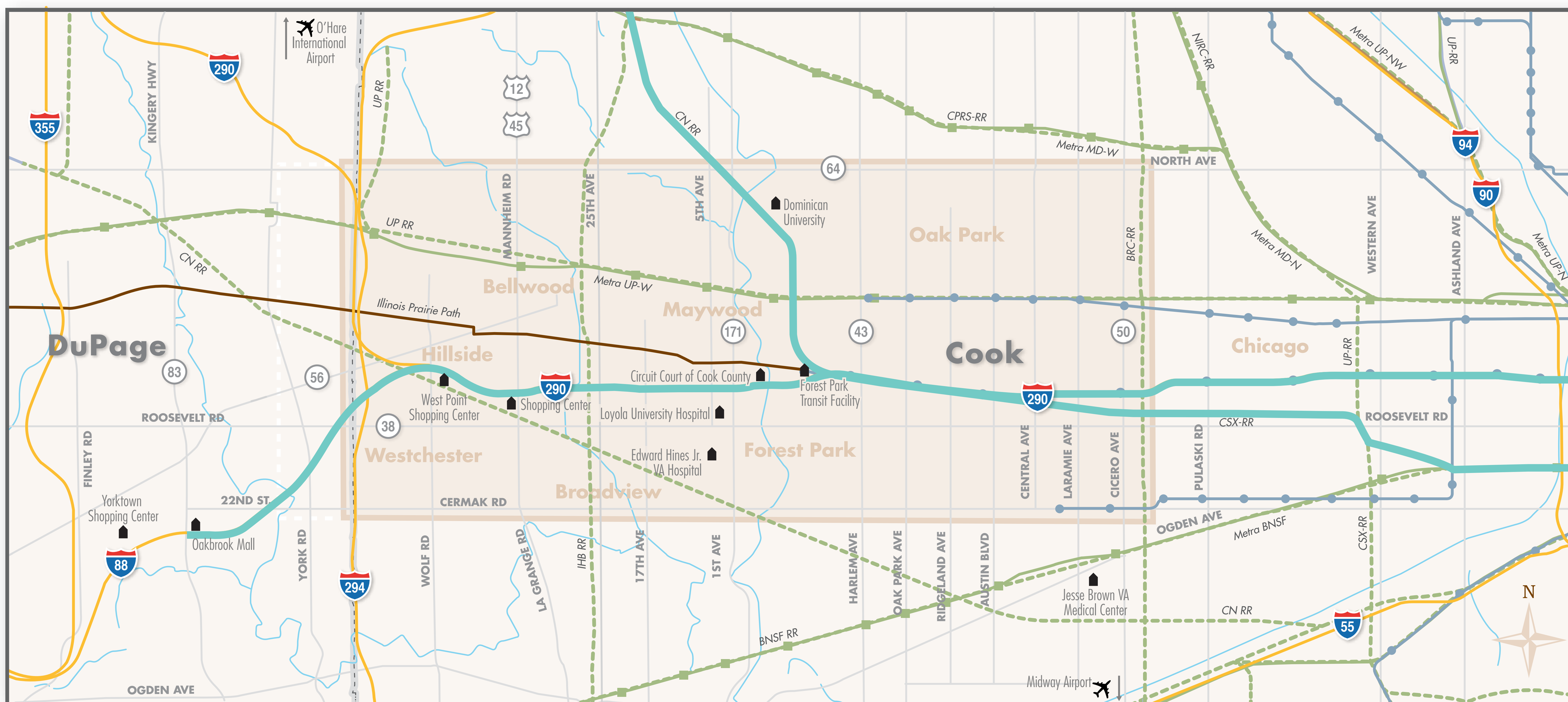
- Improve Existing Station
- Suggested New Station
- Close Existing Station

# INITIAL ALTERNATIVES ▶ Automated Guideway Transit (AGT)



## Transit mode including people movers, monorails, and personal rapid transit:

- » Automatically controlled, rubber tired or steel wheeled vehicles that are typically electrically powered
- » Right-of-way is grade separated, typically elevated on structure
- » Station spacing varies from less than 0.25 miles to greater than 1 mile



\*Not to scale

### Legend

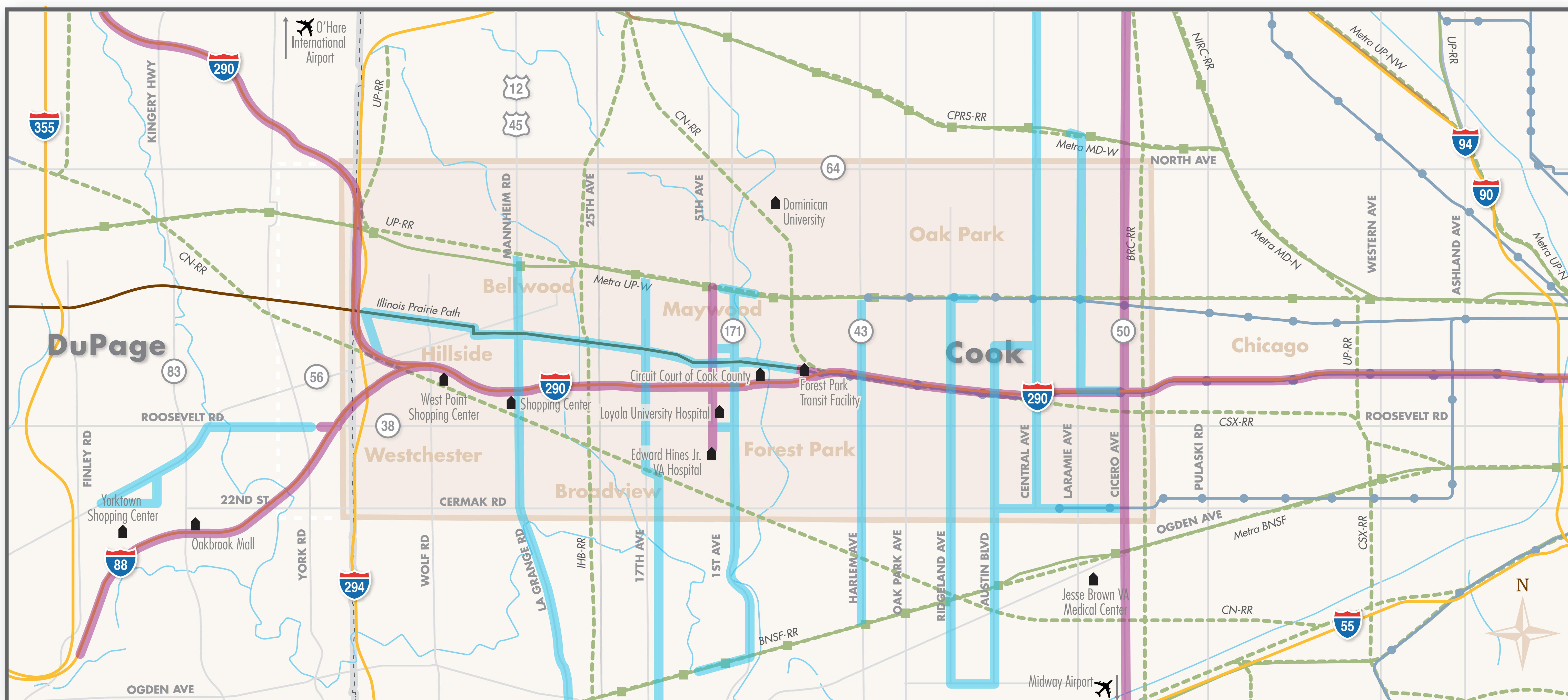
- |                                  |                                 |                           |                                |
|----------------------------------|---------------------------------|---------------------------|--------------------------------|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundry            | <b>ALTERNATIVE SUGGESTIONS</b> |
| Metra Line/Station               | Railroad                        | River                     |                                |
| Existing CTA Rail/Station Access | I-290 Study Area                | Suggested AGT/LRT Transit |                                |

# INITIAL ALTERNATIVES ▶ Local and Express Bus



## Transit modes serving urban and suburban areas:

- » Rubber tired bus vehicles including diesel gasoline or alternative fuel powered
- » Operates on existing roadways, with express buses sometime operating on reserved lanes
- » Station spacing varies from 0.25-2 miles apart



\*Not to scale

### Legend

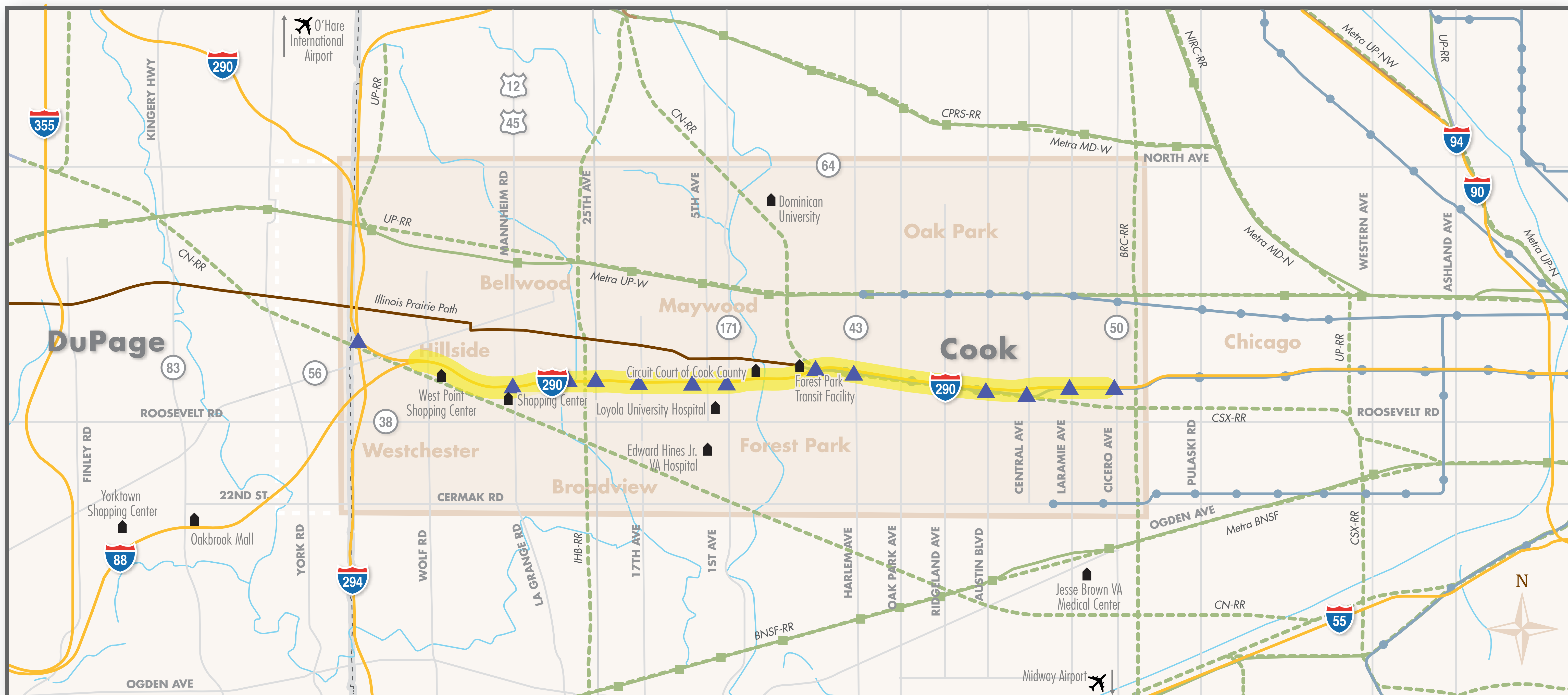
- |                                  |                                 |                |  |
|----------------------------------|---------------------------------|----------------|--|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundry | <b>ALTERNATIVE SUGGESTIONS</b><br>Suggested Express Bus Alternative<br>Suggested Local Bus Alternative |
| Metra Line/Station               | Railroad                        | River          |  |
| Existing CTA Rail/Station Access | I-290 Study Area                |                |  |
|                                  |                                 |                |  |

# INITIAL ALTERNATIVES ▶ Expressway Improvements



## Improvements to expressway capacity, safety, operation, and facility condition:

- » Construct additional general purpose lanes
- » Interchange improvements, additions, and consolidations
- » Geometric and operational improvements (improve clearances, widen shoulders, improve drainage)
- » Pavement and bridge reconstruction



\*Not to scale

### Legend

- |                                  |                                 |                |
|----------------------------------|---------------------------------|----------------|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundry |
| Metra Line/Station               | Railroad                        | River          |
| Existing CTA Rail/Station Access | I-290 Study Area                |                |

### ALTERNATIVE SUGGESTIONS

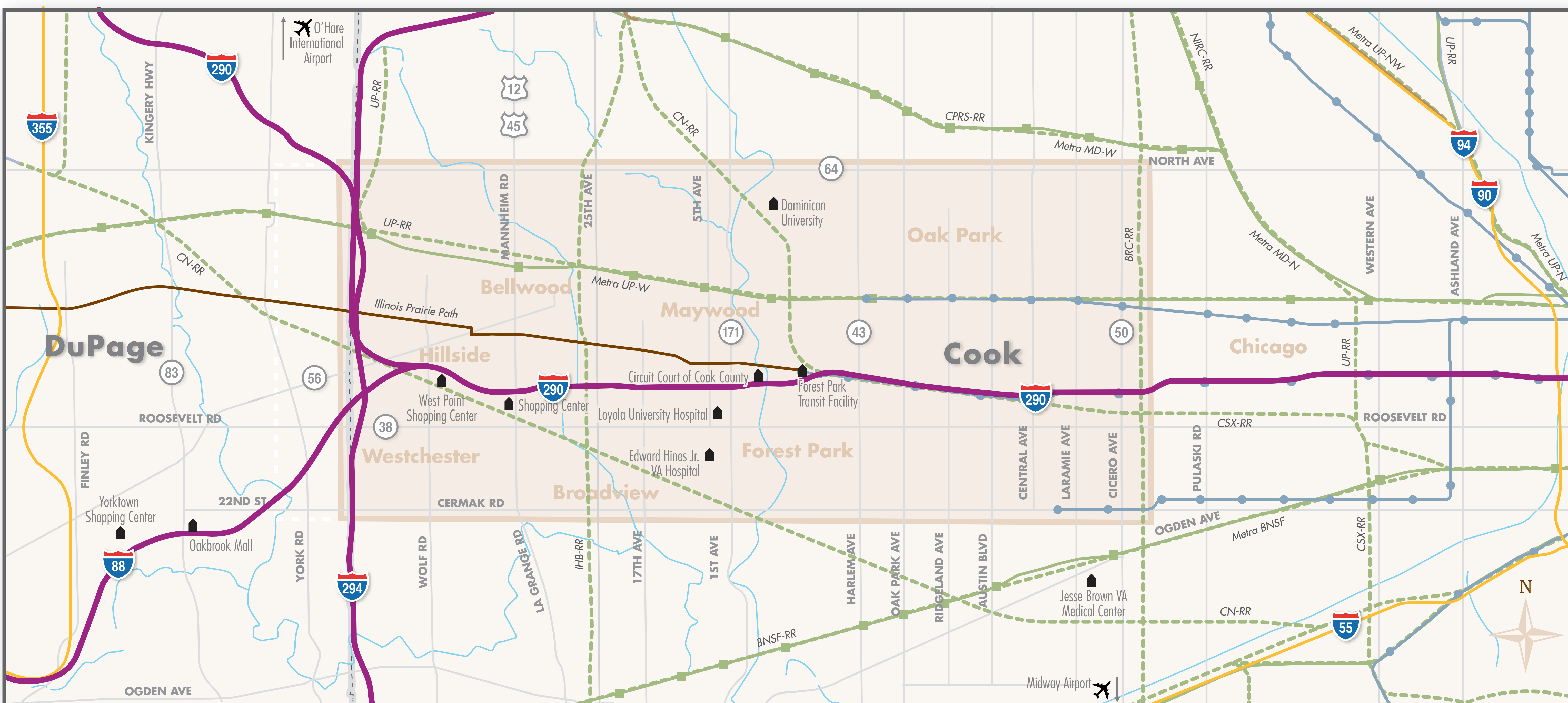
- Suggested Interchange Improvements
- Suggested General Purpose Lane

# INITIAL ALTERNATIVES ▶ *Managed Lanes, HOV, and Tolling*



## **Managed lanes with tolling or carpool (High Occupancy Vehicles [HOV]) lanes:**

- » *Carpool vehicles have a minimum of two or three occupants*
- » *Tolling can include congestion based pricing and can be restricted to carpools*
- » *Express bus vehicles can use managed lanes*



*\*Not to scale*

### Legend

- |                                  |                                 |                                   |                                |
|----------------------------------|---------------------------------|-----------------------------------|--------------------------------|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundry                    | <b>ALTERNATIVE SUGGESTIONS</b> |
| Metra Line/Station               | Railroad                        | River                             |                                |
| Existing CTA Rail/Station Access | I-290 Study Area                | Suggested Single Mode Alternative |                                |

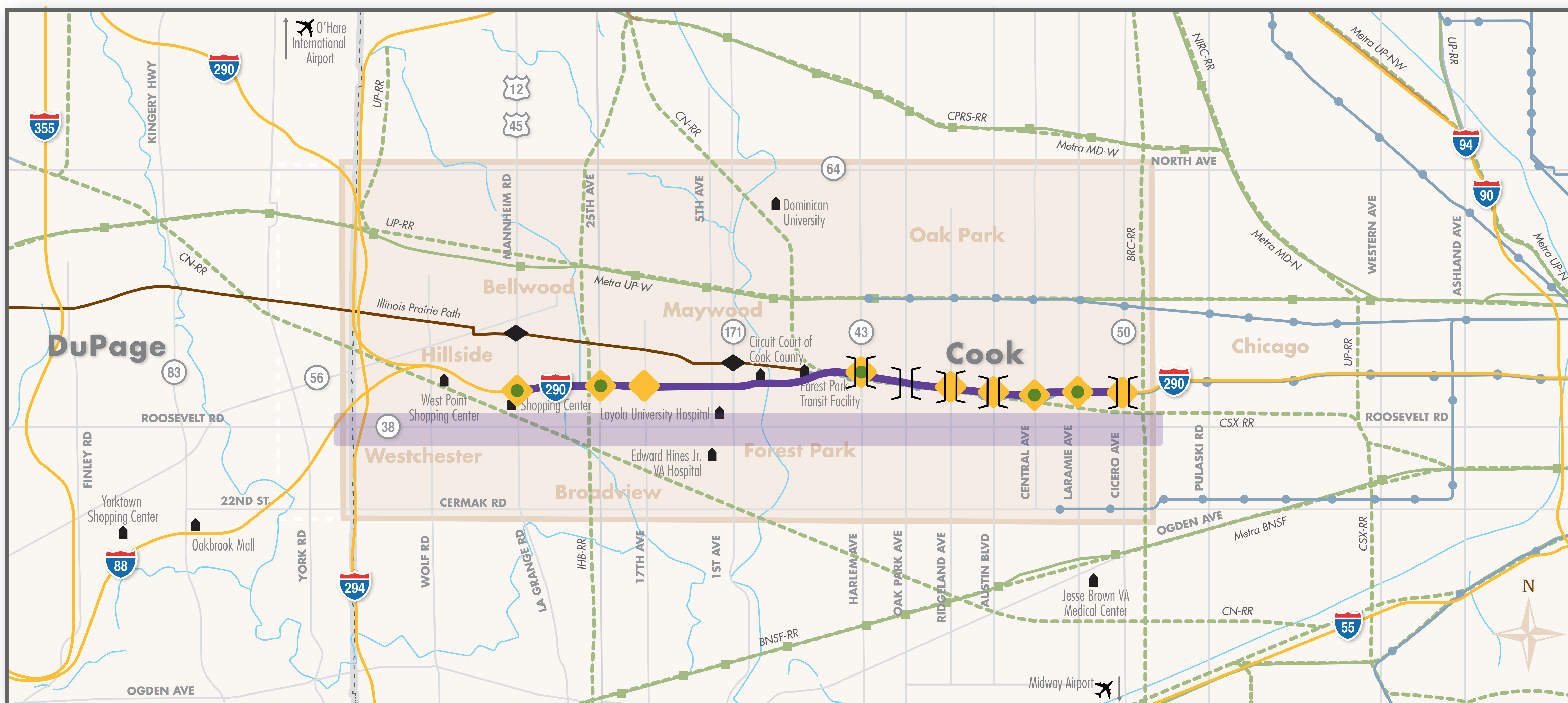


# INITIAL ALTERNATIVES ▶ Arterial Improvements



**Improvements to arterial capacity, safety, operation, and facility condition:**

- » Add lanes
- » Intersection and traffic signal improvements
- » Geometric and operational improvements (channelization, improve drainage, access management)



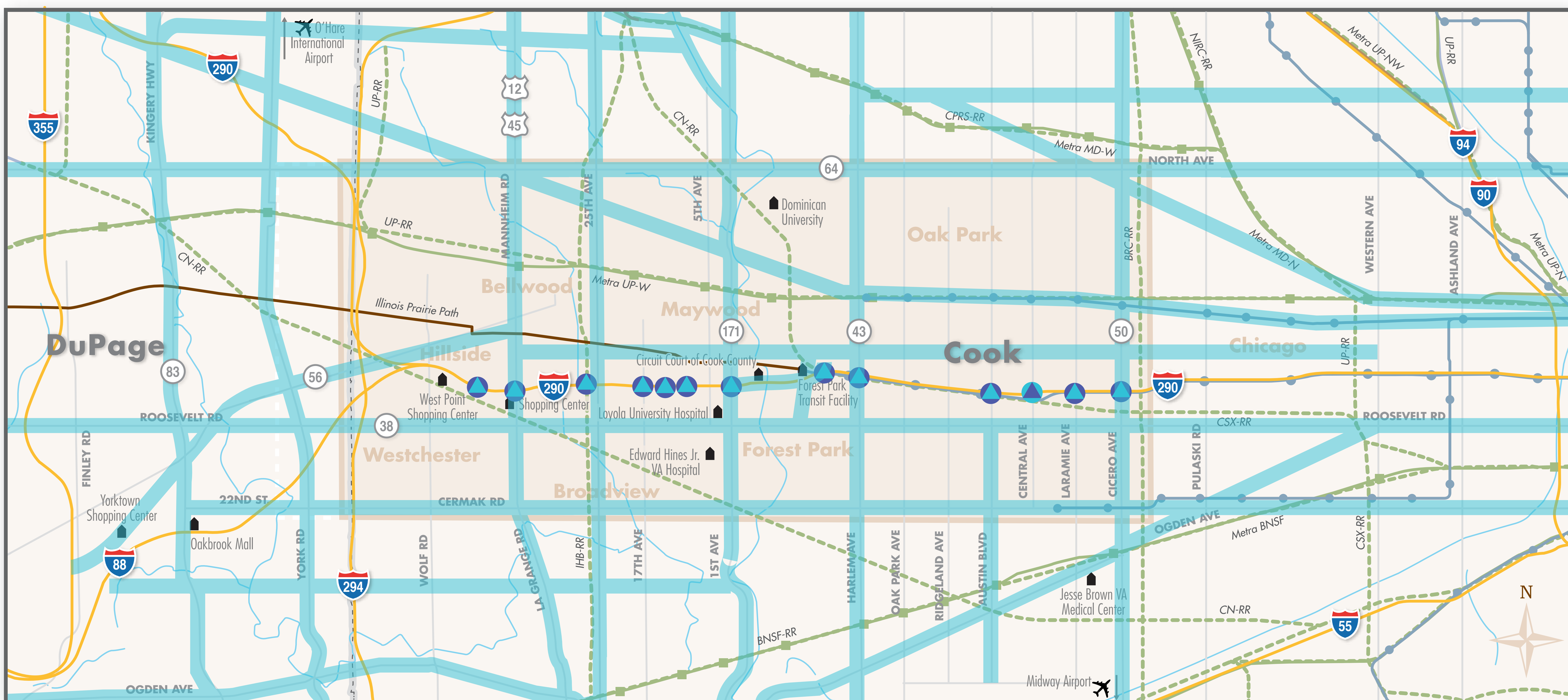
*\*Not to scale*

Legend			
	Interstate		Railroad
	Metra Line/Station		I-290 Study Area
	Existing CTA Rail/Station Access		County Boundry
	IL Prairie Path Multi-Use Trail		River
<b>ALTERNATIVE SUGGESTIONS</b>			
	Suggested One Way Frontage Road		Suggested Intersection Improvement
	Suggested Ped & Bike Improvements		Suggested Widen Bridges
	Suggested Grade Separation		Suggested Arterial Improvements

# INITIAL ALTERNATIVES ▶ *Traffic Management*



- » *Intelligent Transportation Systems (ITS) technology (real time traveler information, video camera surveillance, variable message signs, traffic signal priority for transit & emergency vehicles, variable speed limits)*
- » *Transportation System Management (TSM) or lower cost improvements (signal coordination, intersection improvements, parking removal)*
- » *Travel Demand Management (TDM) to reduce vehicle demand (carpooling, telecommuting, flexible work hours, telecommuting, transit promotion)*



*\*Not to scale*

### Legend

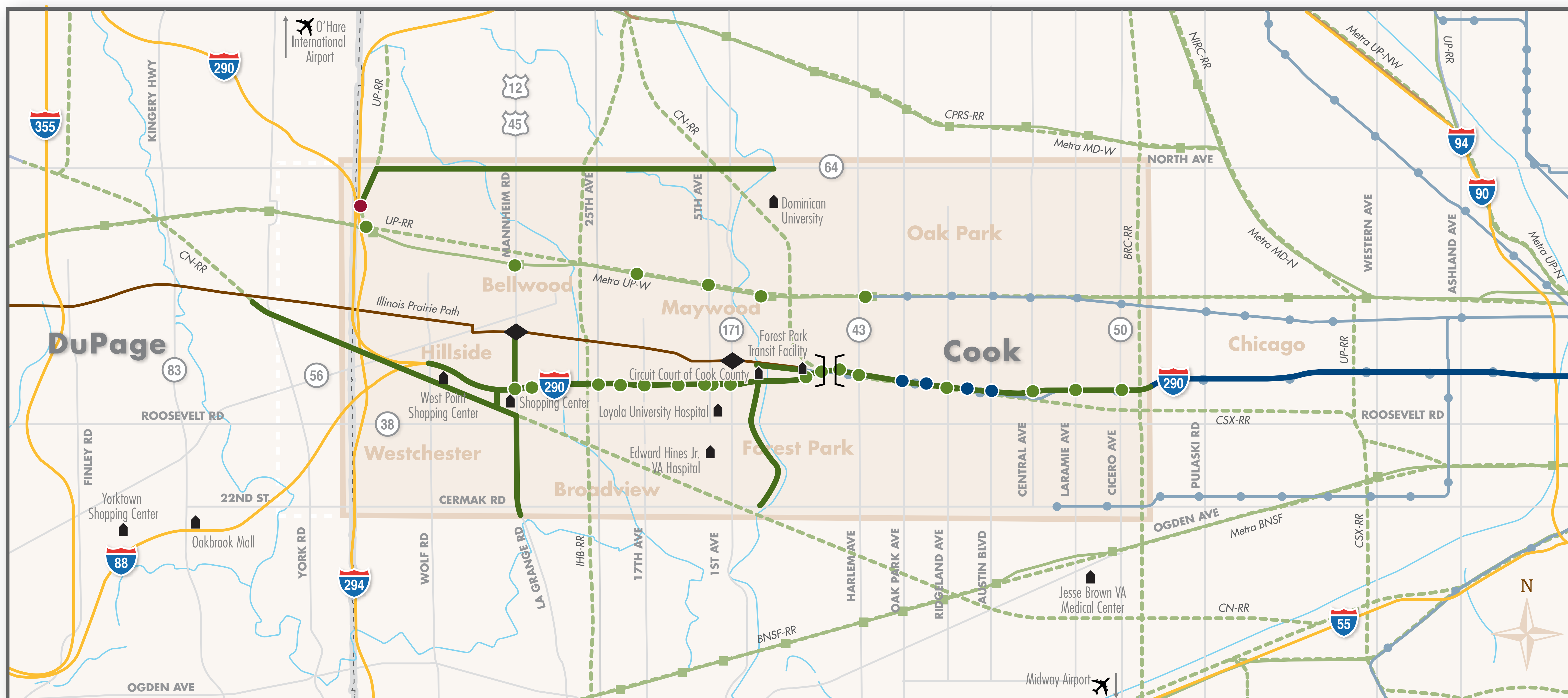
Interstate	IL Prairie Path Multi-Use Trail	County Boundry	<b>ALTERNATIVE SUGGESTIONS</b>
Metra Line/Station	Railroad	River	
Existing CTA Rail/Station Access	I-290 Study Area		
			Suggested ITS Improvement Smart Corridors TSM Strategies

# INITIAL ALTERNATIVES ▶ *Bicycle and Pedestrian*



## Non-motorized improvements:

- » Sidewalk additions, improvements, widening
- » ADA handicap accessible sidewalk ramps
- » On-road bicycle or shared lanes
- » Off-road bicycle facilities
- » Improved non-motorized crossings
- » Bicycle parking, pedestrian signals



\*Not to scale

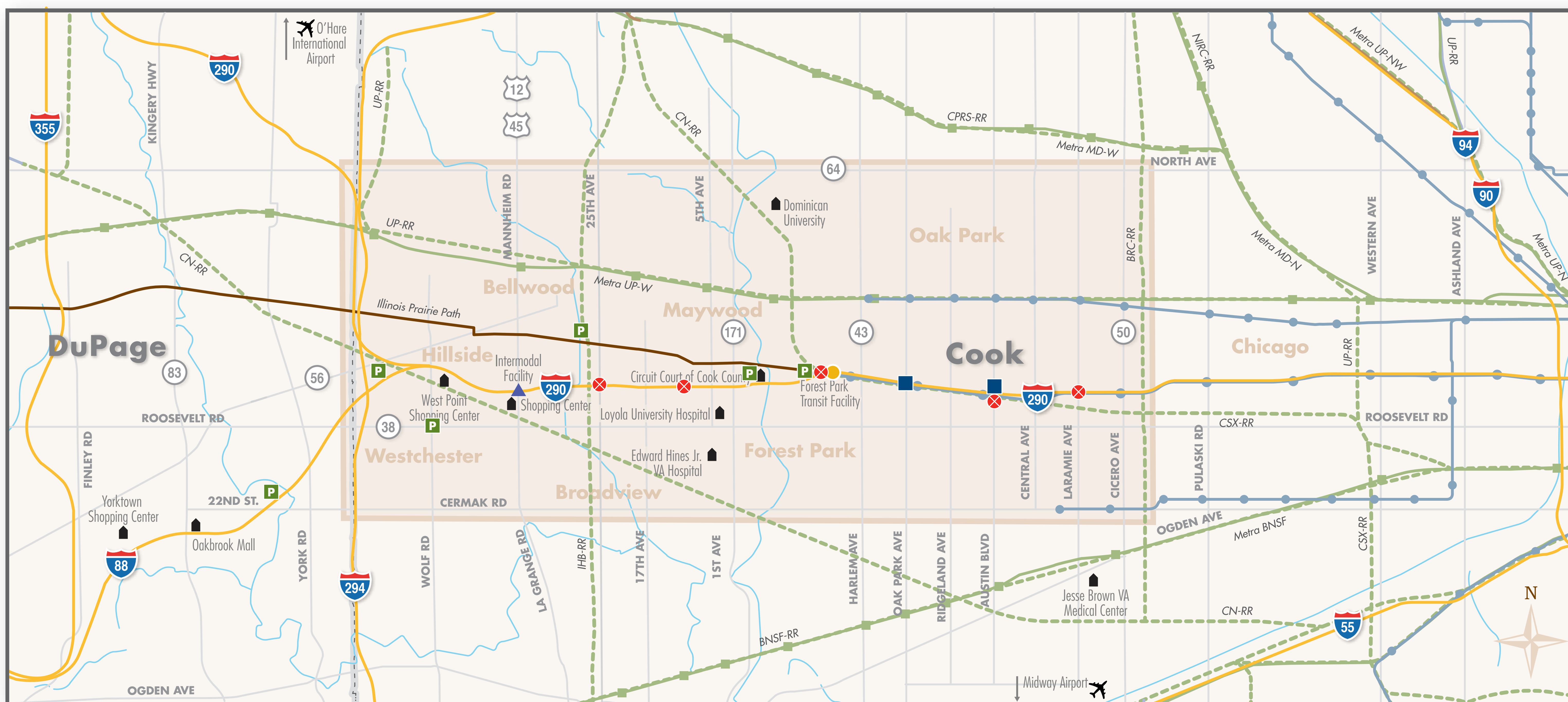
### Legend

- |                                  |                  |                                 |                                   |
|----------------------------------|------------------|---------------------------------|-----------------------------------|
| Interstate                       | Railroad         | <b>ALTERNATIVE SUGGESTIONS</b>  | Improve Conditions for Pedestrian |
| Metra Line/Station               | I-290 Study Area |                                 | Maintain crossing                 |
| Existing CTA Rail/Station Access | County Boundry   | New Trail Connection to Chicago | New Non-Motorized Crossing        |
| IL Prairie Path Multi-Use Trail  | River            | Suggested Grade Separation      | Suggested Underpass               |

# INITIAL ALTERNATIVES ▶ Other



- » Park-and-ride facilities at transit stations
- » Freight railroad and truck intermodal terminals
- » Expressway caps /freeway decks
- » Elimination of transportation facilities



\*Not to scale

## Legend

- |                                  |                                 |                 |
|----------------------------------|---------------------------------|-----------------|
| Interstate                       | IL Prairie Path Multi-Use Trail | County Boundary |
| Metra Line/Station               | Railroad                        | River           |
| Existing CTA Rail/Station Access | I-290 Study Area                |                 |

## ALTERNATIVE SUGGESTIONS

- Suggested Park and Ride Facilities
- Suggested Eliminated Interchanges
- Suggested Access Ramp
- Suggested Expressway Caps



# STATION #4 ENVIRONMENTAL INVENTORY MAP

# EXPRESS YOUR OPINION



## Comment Forms:

- » Written and online comment forms
- » Comments received by June 1, 2011 will become part of the Public Meeting record

## Project Website:

- » Visit [www.eisenhowerexpressway.com](http://www.eisenhowerexpressway.com) for up-to-date project information



## Facebook:

- » Visit [www.facebook.com/eisenhowerexpressway](http://www.facebook.com/eisenhowerexpressway) and “Like The Ike!”