

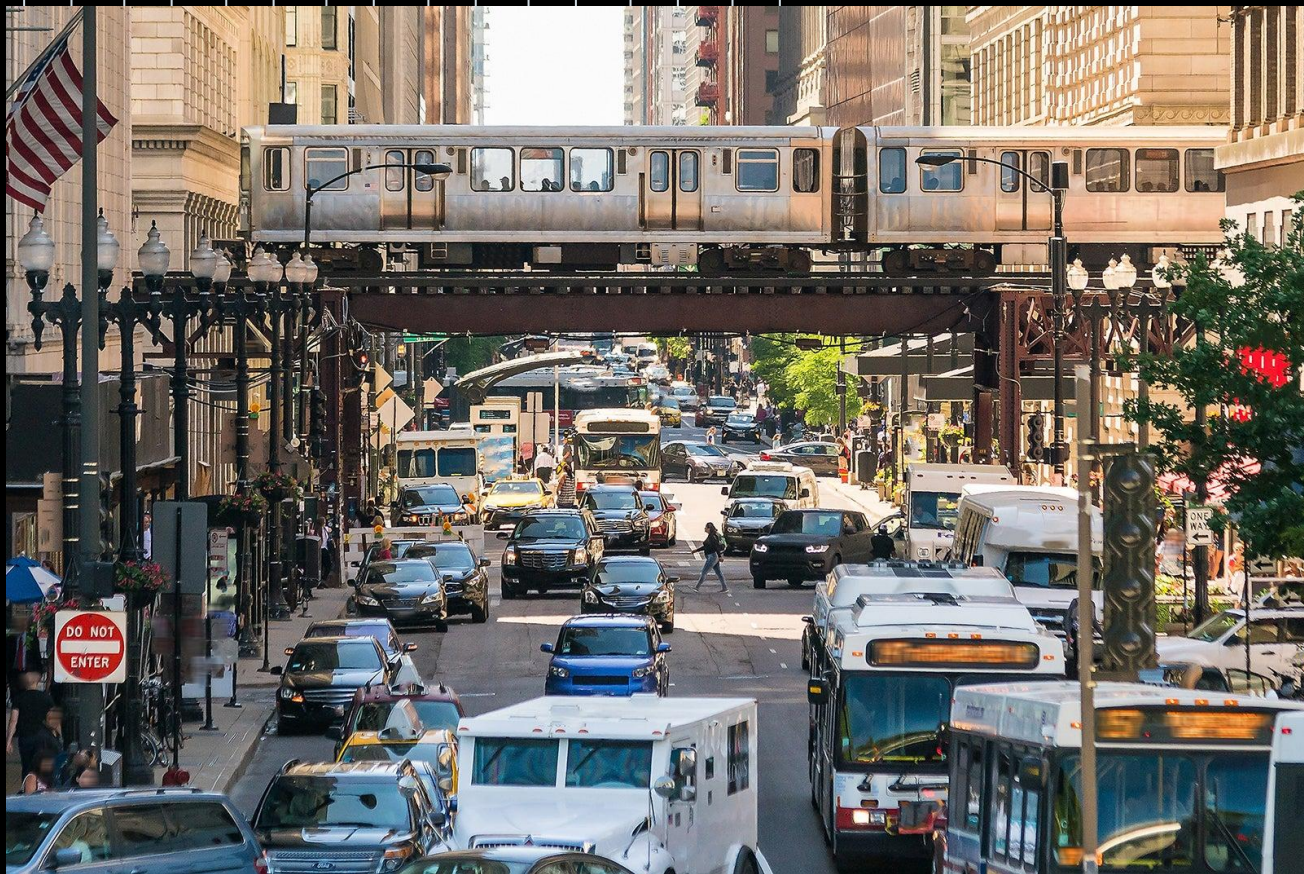
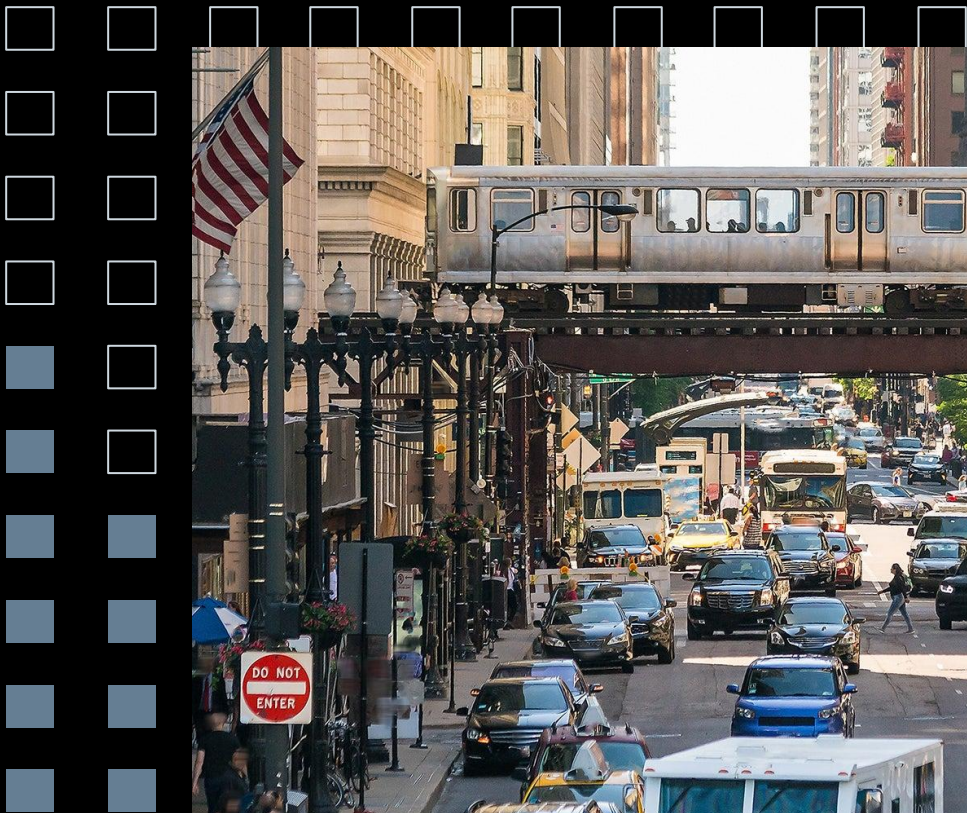


# CHICAGO



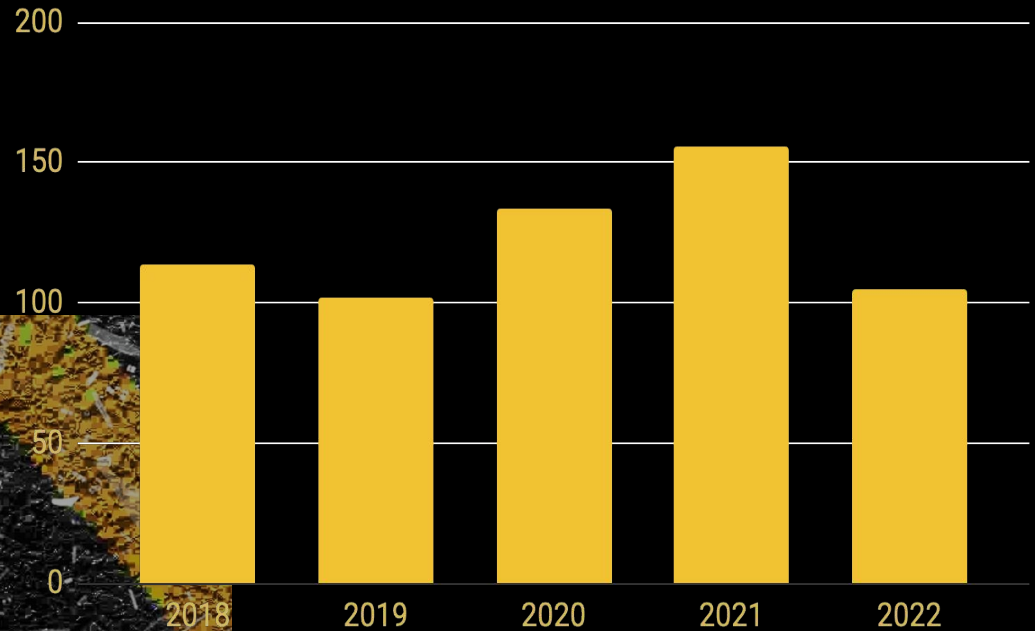
VISION ZERO CHICAGO





Problem: **How can Chicago decrease injuries from crash incidents?**

Chicago Crash Fatalities



# Data

**Publicly Available:  
Chicago Data Portal**



**CHICAGO  
DATA PORTAL**

**Car Crash Reports from  
July 2021-June 2022**



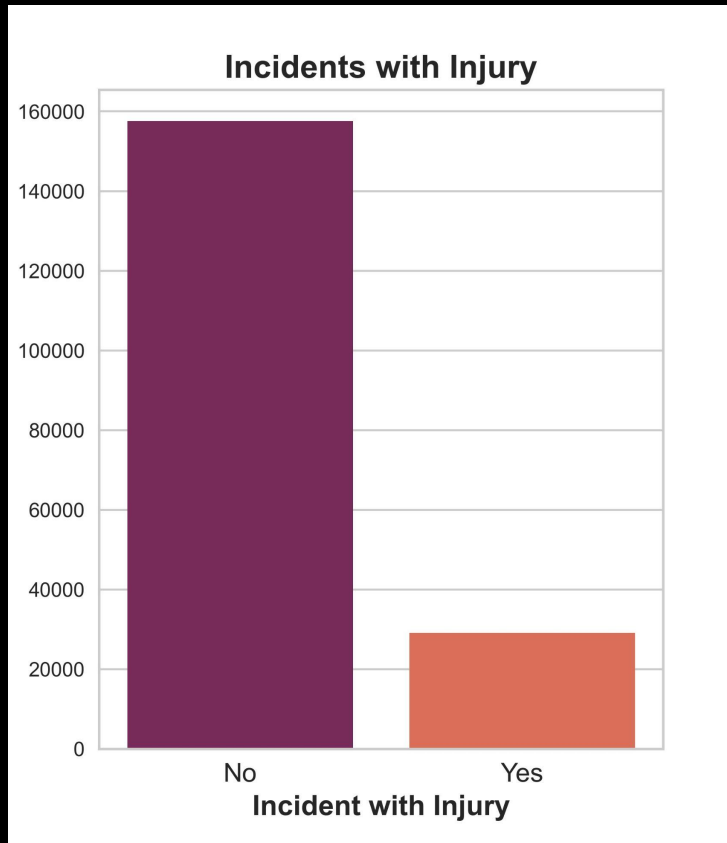
**Crashes**



**Vehicles**



**People**



“Any traffic-related death is unacceptable when we, as a city, have the tools and strategies to prevent the conditions that lead to these tragedies.”

Chicago Mayor Lightfoot

# Methods



## **Create model:**

Crash incident with

- INJURY
- NO INJURY



## **Model determines:**

TOP FEATURES

93 %

# Features



**Lighting  
Condition**

Weather  
Condition



**Location**

Speed  
Limit





01

**CRASH TYPE**

02

**LOCATION**

03

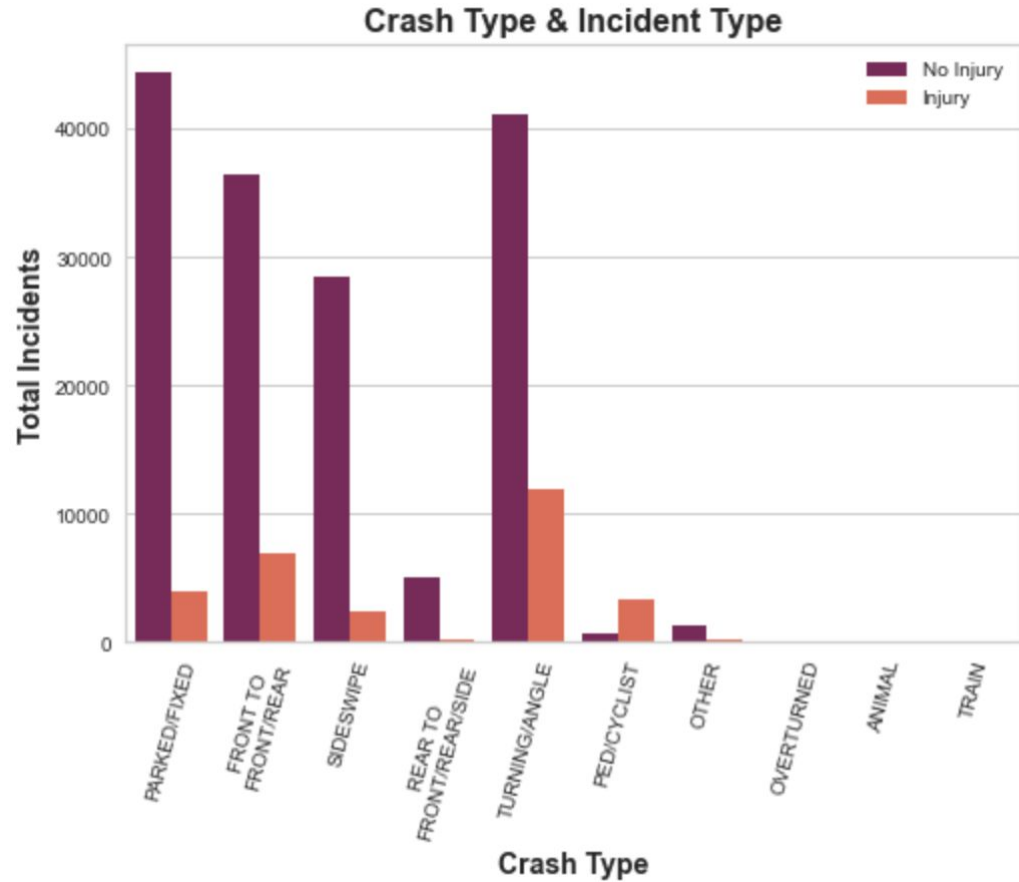
**TRAFFICWAY TYPE**

04

**MONTH , TIME**

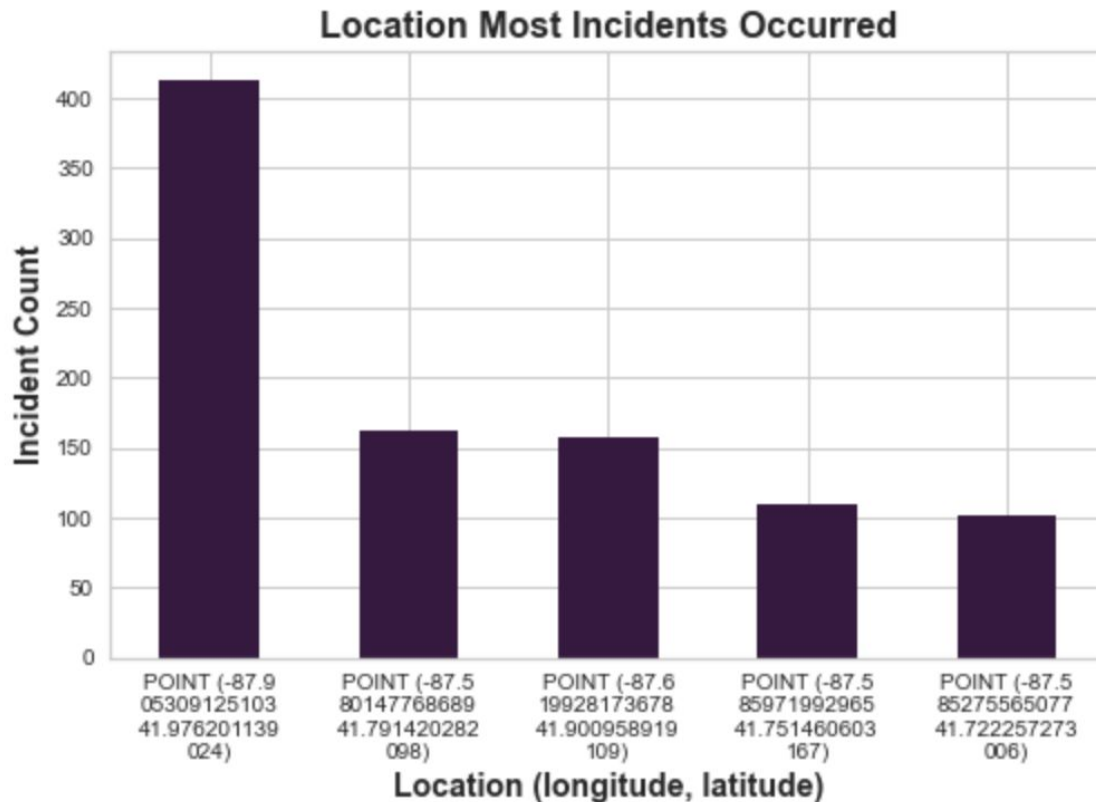


## CRASH TYPE



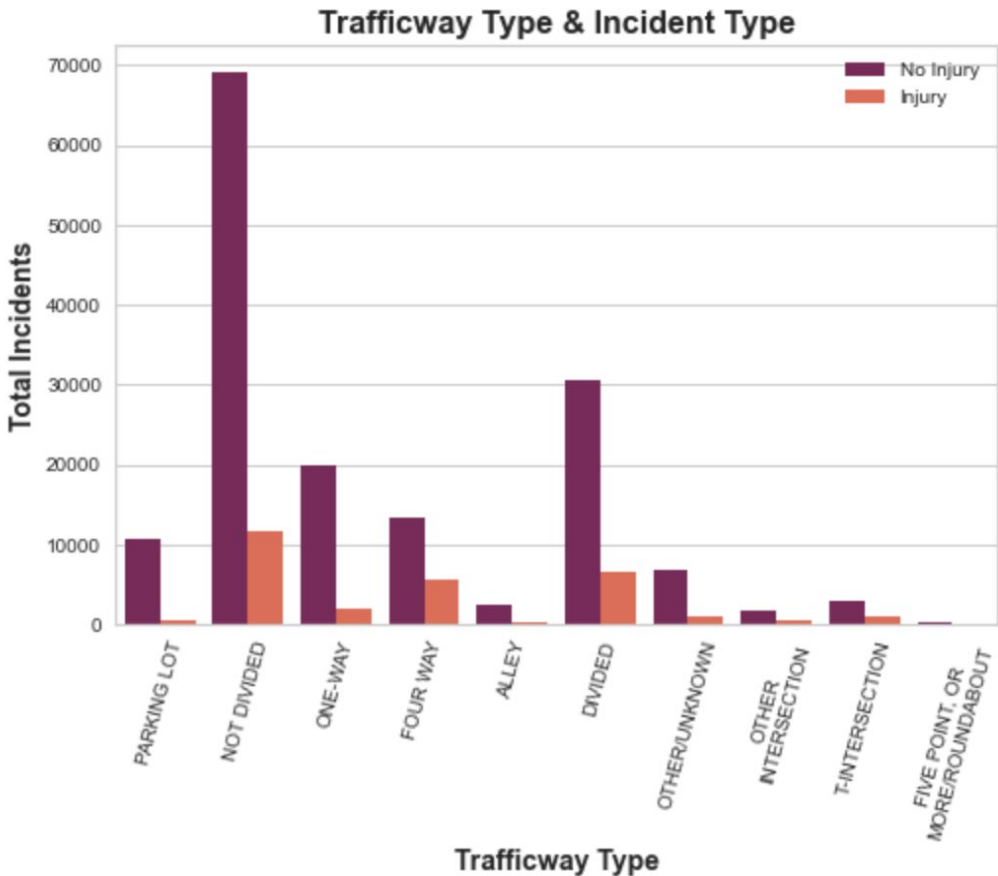


**LOCATION**





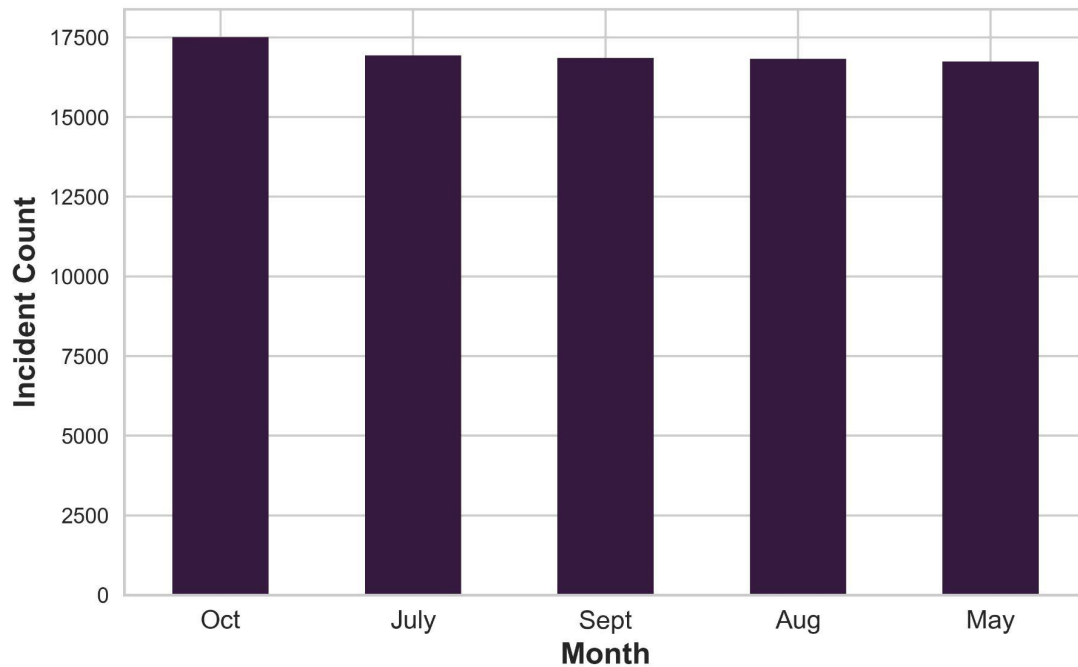
## TRAFFICWAY TYPE





**MONTH**

**Month Most Incidents Occurred**

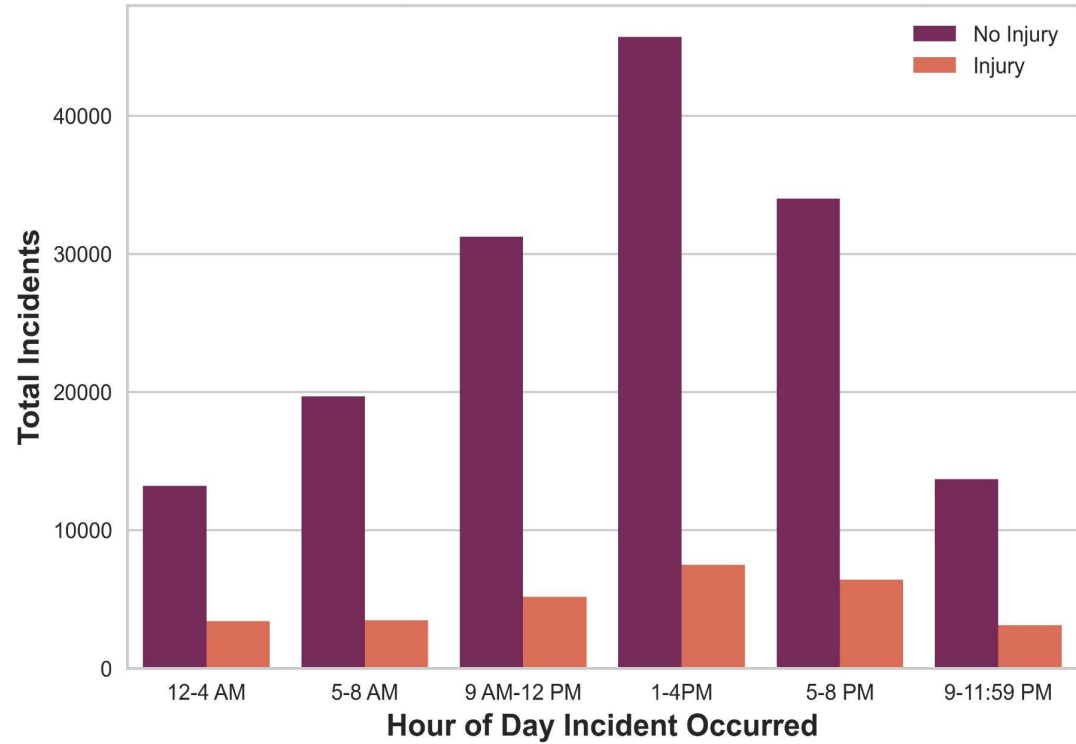






# HOUR

## Hour of Day Incident Occurred & Incident Type



# RECOMMENDATIONS



**Cyclist &  
Pedestrian  
Safety**



**Upgrading  
Problematic  
Locations**



**Targetted  
Time  
Frames**

# VISION ZERO CHICAGO



BRENDA DE LEON



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