

# CITY OF MILWAUKEE HIGH IMPACT PAVING PROGRAM (HIPPP)

## WAPA CONFERENCE 2016

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Commissioner, Department of Public Works

City of Milwaukee

# Miles of Roadways



Within City limits

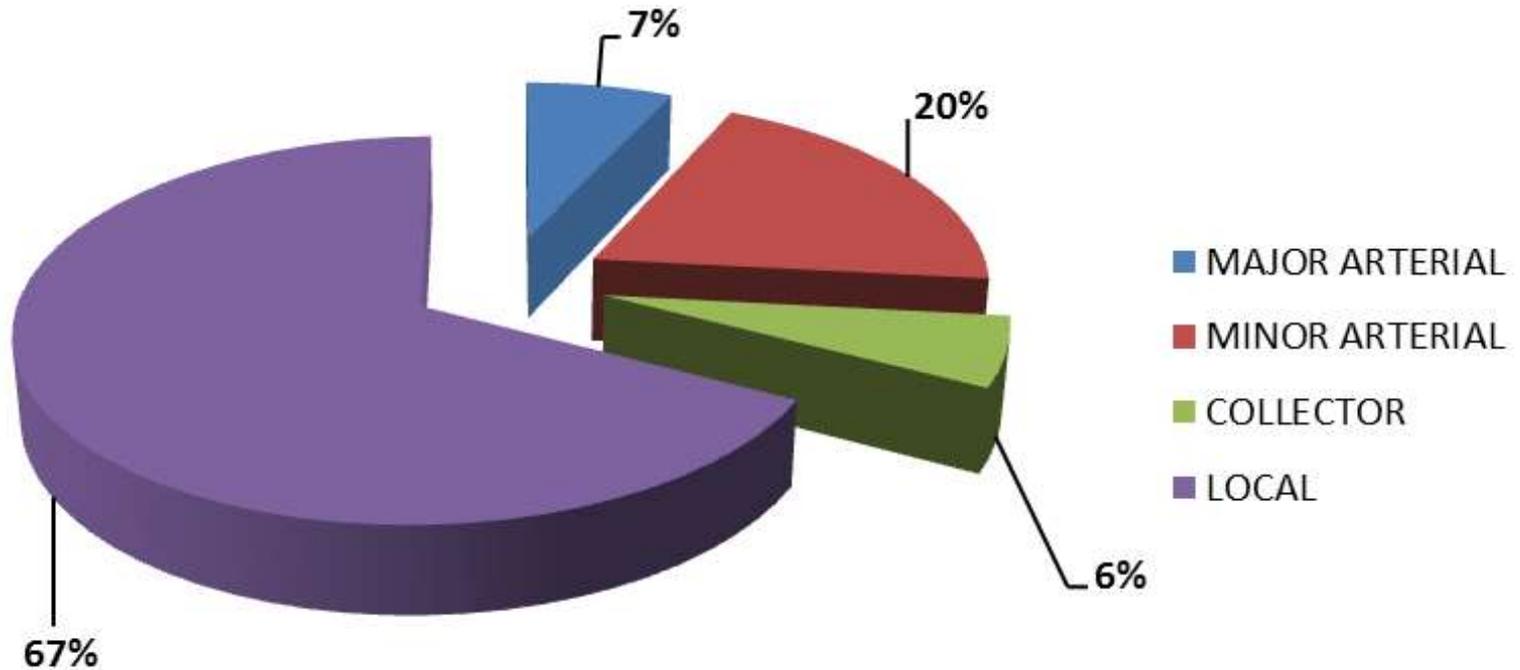
City/County/State

1,687 miles

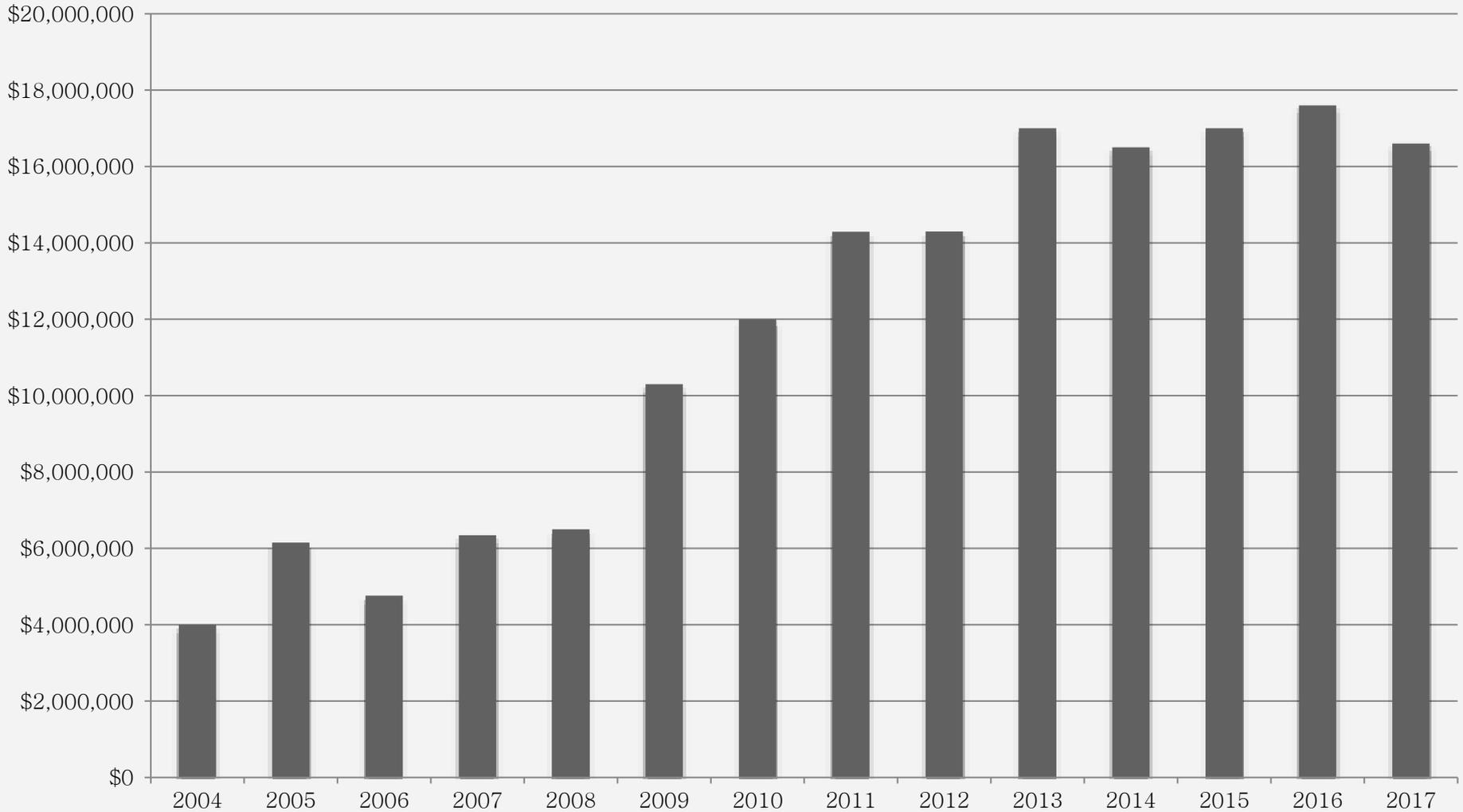
1,270 miles (City Maintained)

# City Maintained Streets

## % Lane-miles Road Network



# Local Street Budget



# Creation of HIPPP in 2012



- Current approach was not producing satisfactory results
- \$1M reallocation from local street paving program in 2013 budget
- Pilot maintenance program

# HIPP – Approach

- Mill 2+ inches and place 2+ inches of Asphalt
- Minimal or no Engineering/Soft Costs
- Limit work to 2-3 days per location
- Engage BIDs or Associations
- Document pre-existing conditions
- Improve Lane configurations
  - Add bicycle lanes
  - Reduce lane width or number
  - Improve Safety features

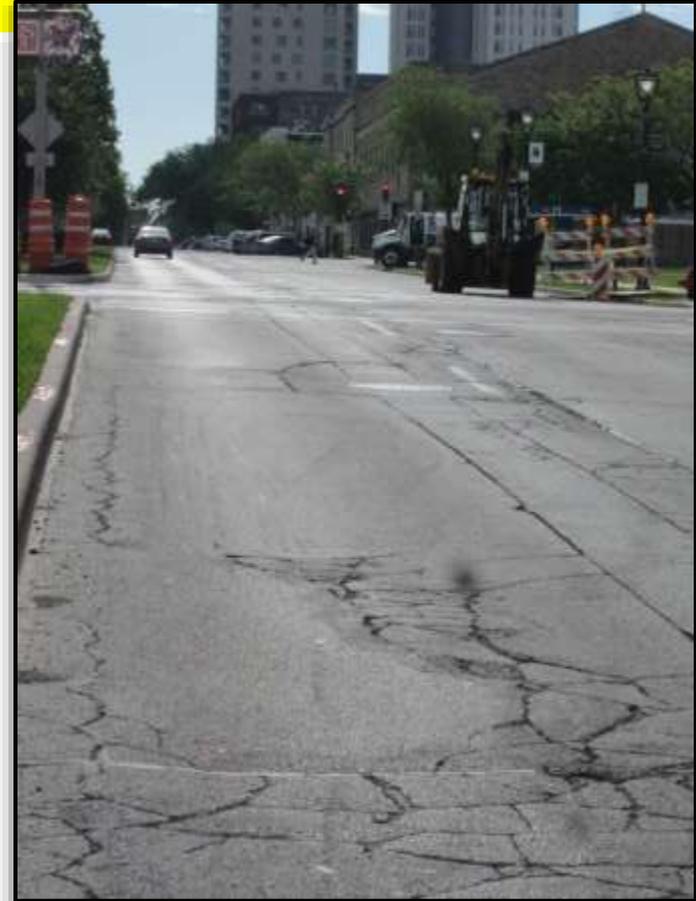
# HIPP – Selection Criteria

- ❑ Focus on high volume Arterials
- ❑ Fair condition pavement
- ❑ Sub-base is in a average condition
- ❑ Sidewalk and curb & gutter also is in average or good condition

# HIPP - Sample candidates

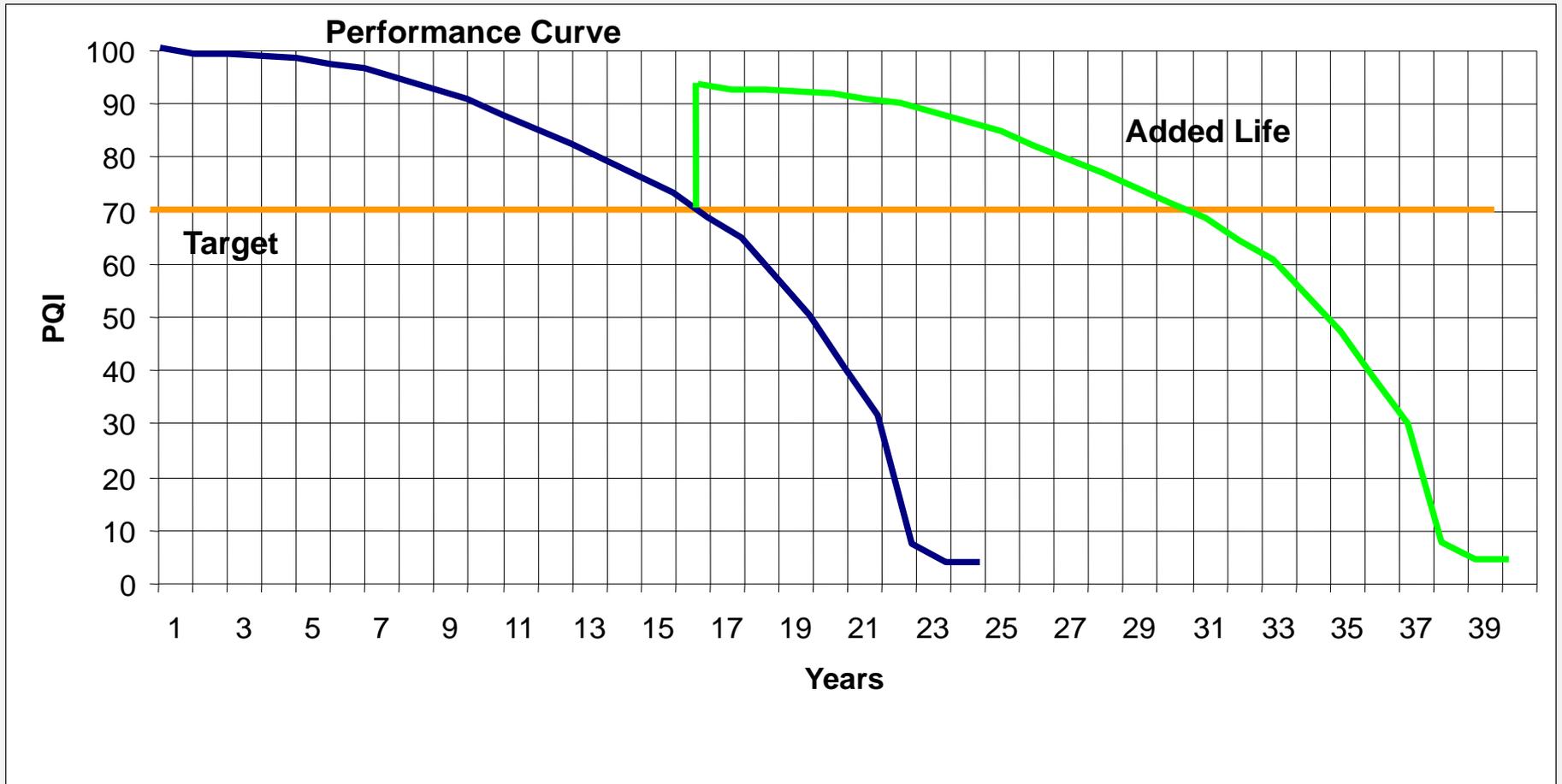


E. Michigan St



E. Kilbourn Ave

# Basis for Approach





CVS  
pharmacy

Open 24 Hours

Beauty

L N

BLAW-KNOX  
170012

WORK ZONE  
AHEAD

# Oakland Ave



# HIPP became a Brand

- HIPP has become popular!
- Mayor Tom Barrett a supporter and advocate:
  - “Extreme Make-Over, the Milwaukee Edition”
- Council members very supportive... the “Hip” Program
- Started with downtown streets in 2013, Now citywide program!
- Businesses and residents are satisfied:
  - Improved conditions
  - Quality ride
  - Efficient process

# Goals Met and Program Grew

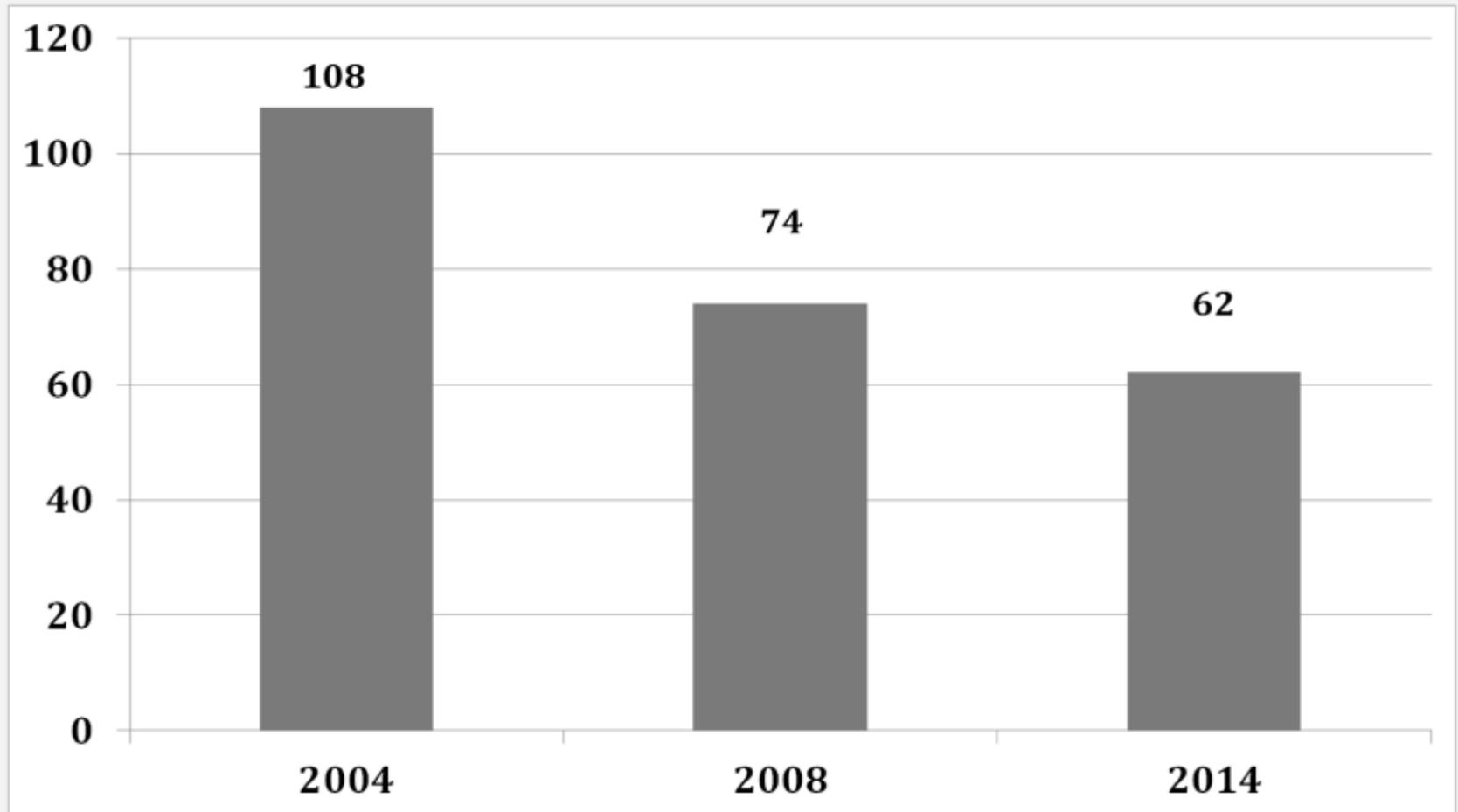
- 2013: \$1 million for 3.6 miles
- 2014: \$3 million for 9 miles
- 2015: \$7 million for 22 miles
- 2016: \$8 million for 28 miles, included some residential streets. (Favorable bids)
- 2017: \$8 million (ADA Consideration)

Average 3 miles plus per \$1 million

# Results: 64 Miles of Improved Pavement Under HIPP

	Good PQI >7	Fair >4.5, <7	Poor <4.5
2013	592	506	176
<b>2014</b>	<b>595</b>	<b>503</b>	
2015	617	481	
2016	645	453	

# Results: Improved Replacement Cycle



# High Impact Paving

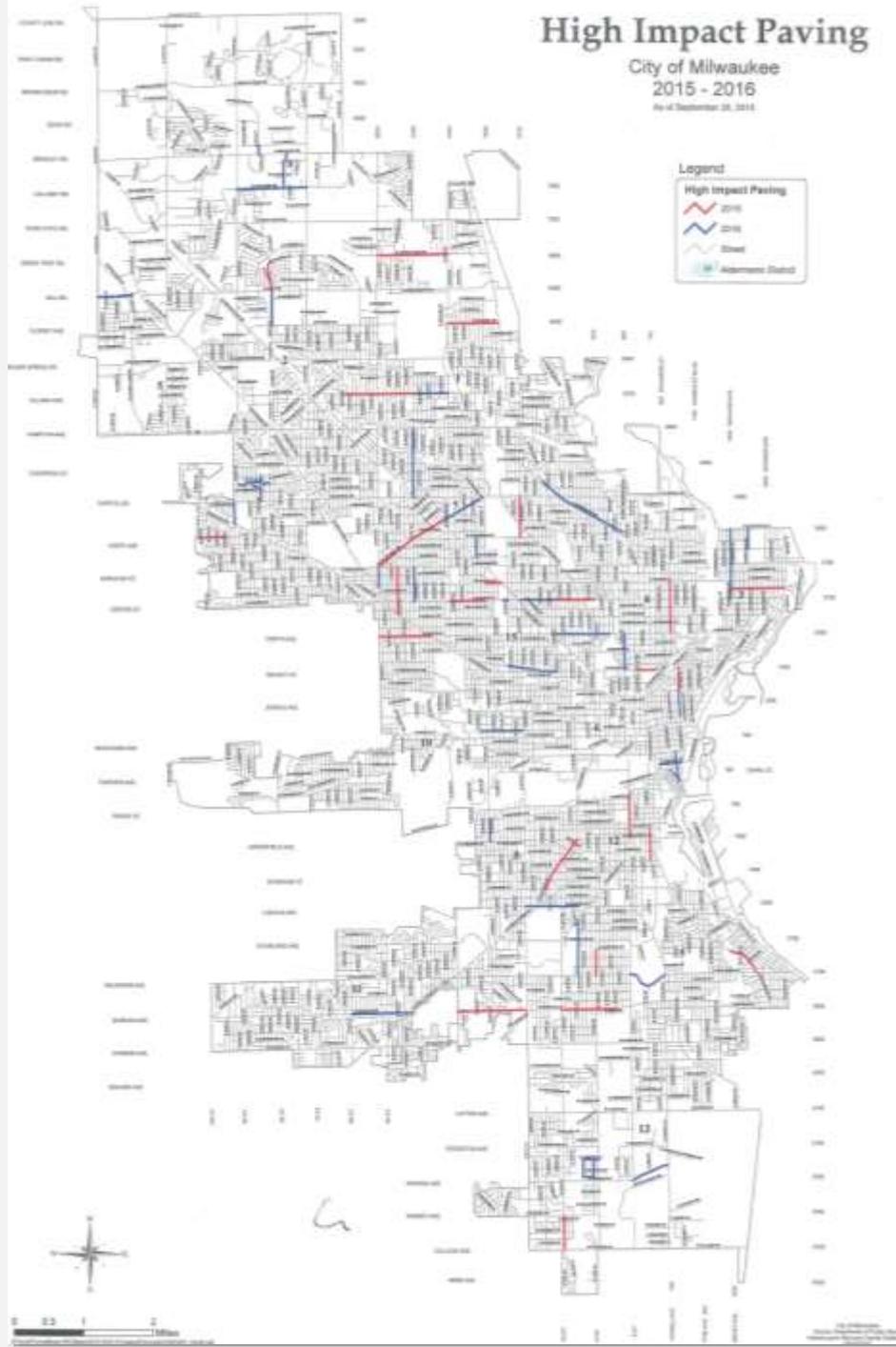
City of Milwaukee

2015 - 2016

As of September 30, 2014

## Legend

- High Impact Paving
- 2015
- 2016
- Street
- Addressed District



# Brady Street



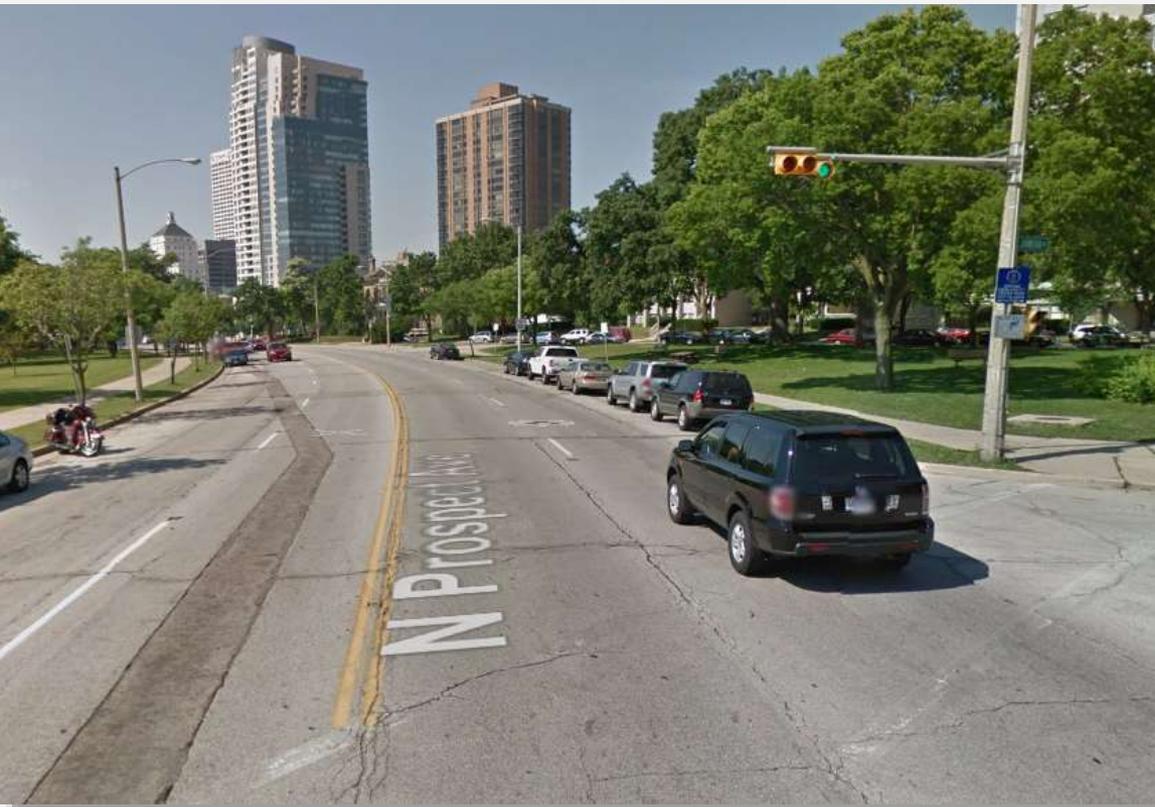
# Roosevelt Drive



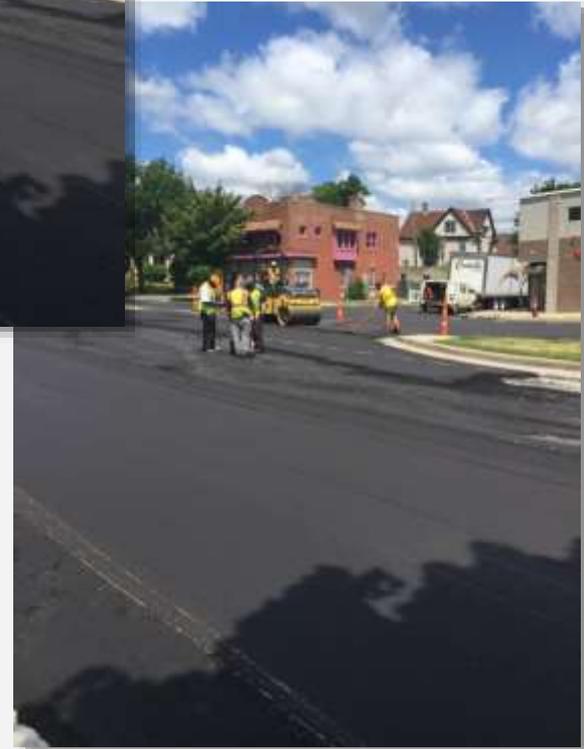
# Farwell Avenue



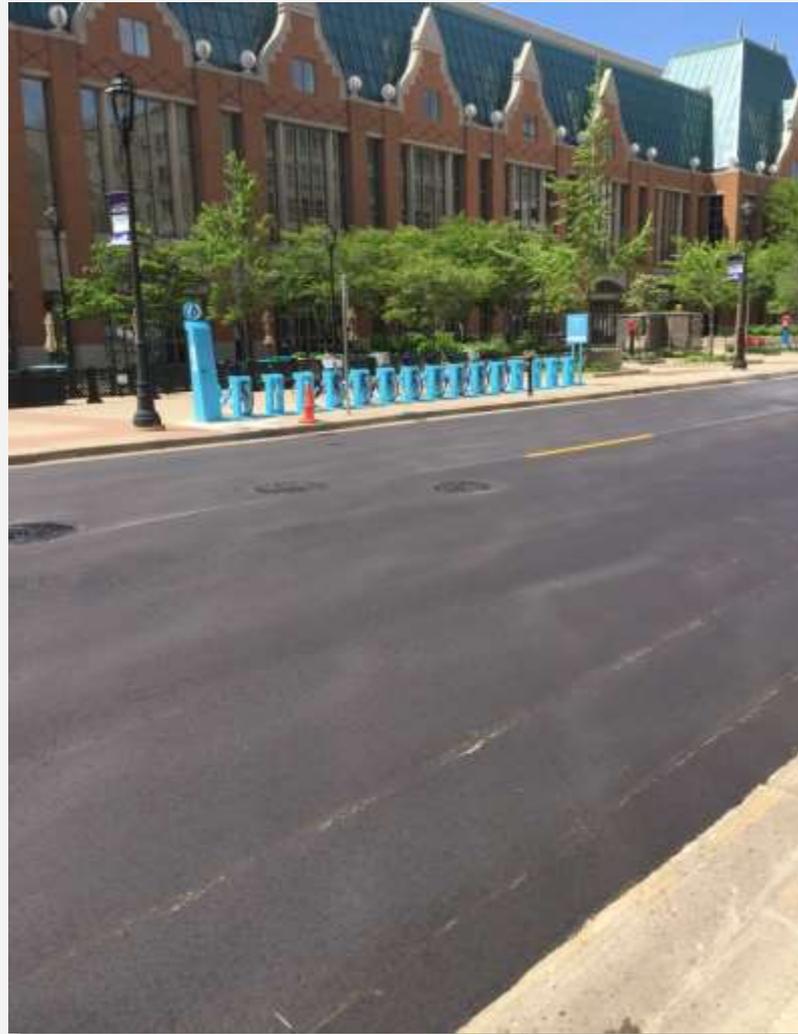
# Prospect Avenue



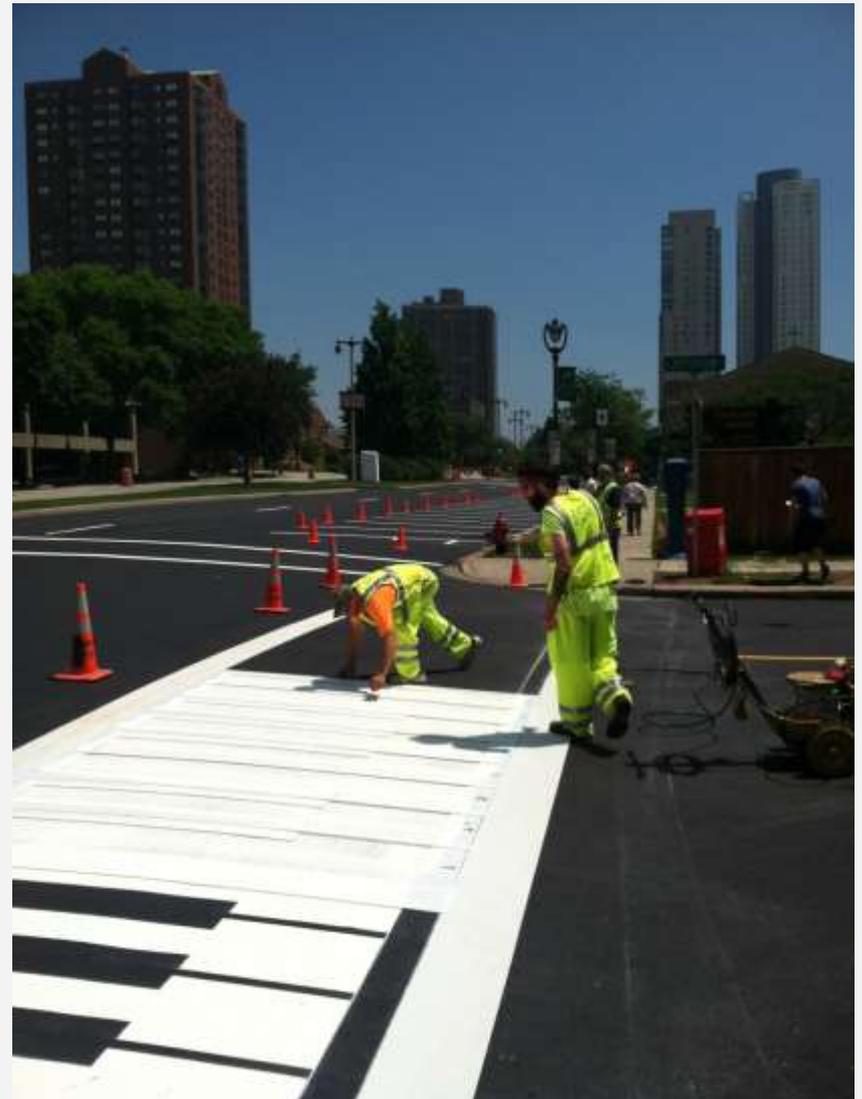
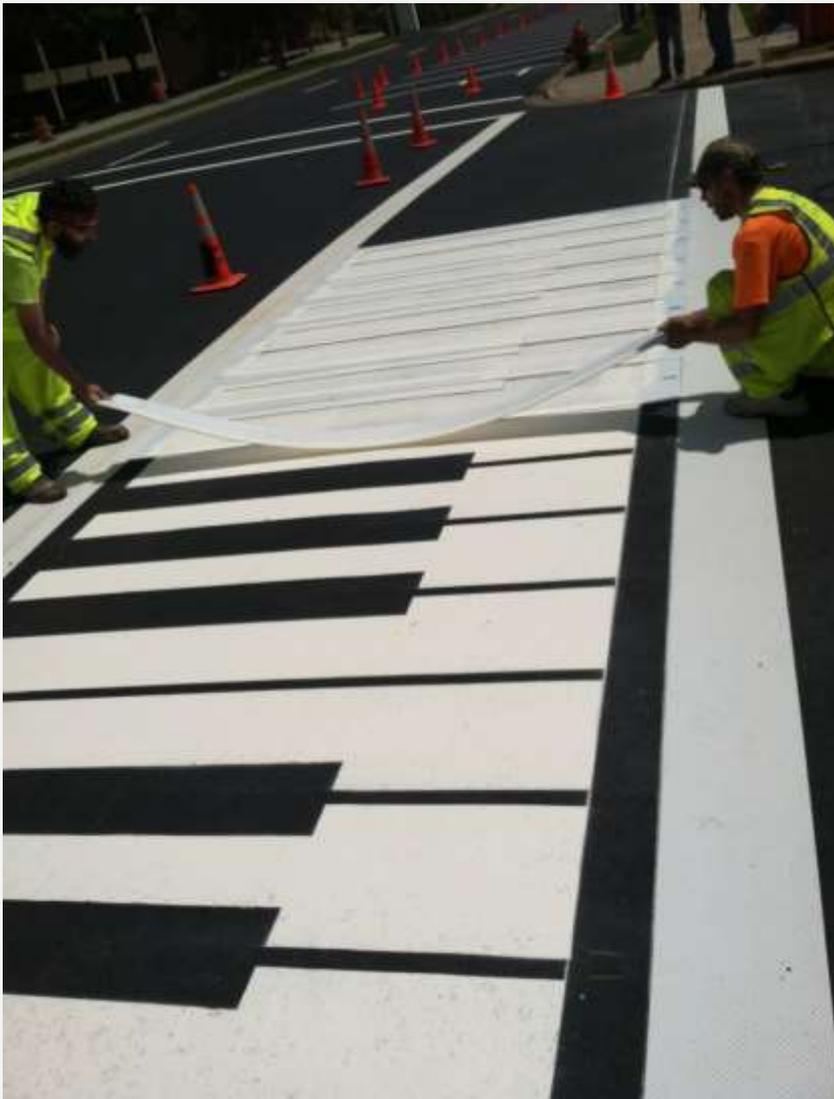
# Lisbon Avenue



# 4<sup>th</sup> Street



# Jefferson Street





# Added Safety Features







QUESTIONS!

