Grant Circle NW Safety and Operations Improvement Study
DISCLAIMER

• The concept drawings and graphics included in this presentation are intended to illustrate the feasibility of the proposed improvements for Grant Circle.

• These concepts aim to: 1) address issues identified in the needs assessment, 2) advance the project’s goals of safety improvements for all modes.

• All features of this concept are approximate, may not be drawn to scale, and subject to change.
Introduction

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Challenges Observed

Exiting vehicle making a turn at a poor conflict angle with the bicycle lane and crosswalk

Vehicle illegally parked in the bicycle lane

Pedestrian crossing when a vehicle is entering and exiting the circle

Circulating vehicle coming to a sudden stop to yield to a crossing pedestrian

Vehicle illegally parked in the hatched area

Southbound Illinois Avenue NW queues entering Grant Circle during the AM
Concept Overview

Improvement Highlights
- Protected bike lane
- Reducing pedestrian crossing distance
- One circulating lane with exit lane
- Rectangular Rapid Flashing Beacon (RRFB)
- Floating Bus Island
- One-way conversions of 5th Street

Legend:
- Bike Lane
- Sidewalk
- Concrete Extension
Concept Details

• One Circulating Lane with Exit Lane and Protected Bike Lane
  – Installs a fully protected bicycle lane
  – Creates one yield point for exiting and entering vehicles
  – Eliminates multilane threat at 5 of 6 crosswalks and reduces crossing distances
  – Improves vehicle conflict angle with pedestrians and bikes
  – Addresses lane changing/sideswipe crashes
  – Adds bus platforms at the two bus stops within the circle
Illinois Avenue (North) Looking Towards Grant Circle

Existing Conditions - Google Streetview
Illinois Avenue (North) Looking Towards Grant Circle
Changes to the Number of Circulating Lanes

Existing

Proposed

Existing Number of Circulating Lanes

 Proposed Number of Circulating Lanes
Changes to the Direction of Flow

Existing Direction of Flow

5th Street (North)

Proposed Direction of Flow

3rd Street (North)

Existing

Proposed
Changes to the Direction of Flow

Existing Direction of Flow

Proposed Direction of Flow

5th Street (South)

Existing

Proposed
Changes to the Direction of Flow

Existing Direction of Flow

Proposed Direction of Flow

5th Street (South)

Illinois Avenue (South)
On-Street Parking Impacts

19 spaces around the Circle
8 spaces on the west side of Illinois Ave (south)
3 spaces remained in the Circle
Total loss of 24 spaces

Parking on the east side of Illinois Ave will remain
3 spaces to remain
Next Steps

• Review of Community Feedback (2023)
• Preliminary Design (2024)
• Final Design (2024)
• Construction (2025)