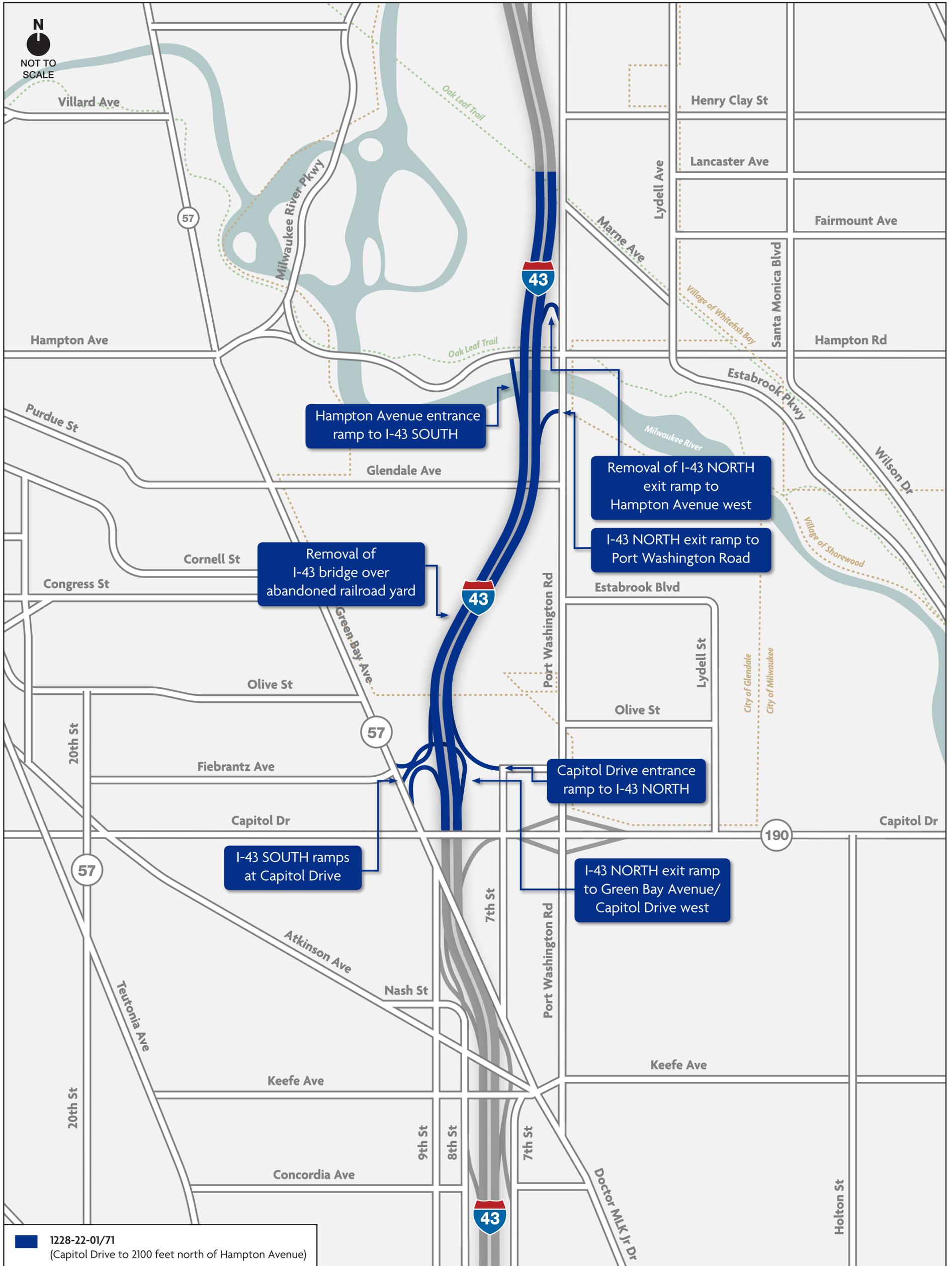




# I-43 N-S: ID 1228-22-01/71

## PROJECT LIMITS

AUGUST 2019



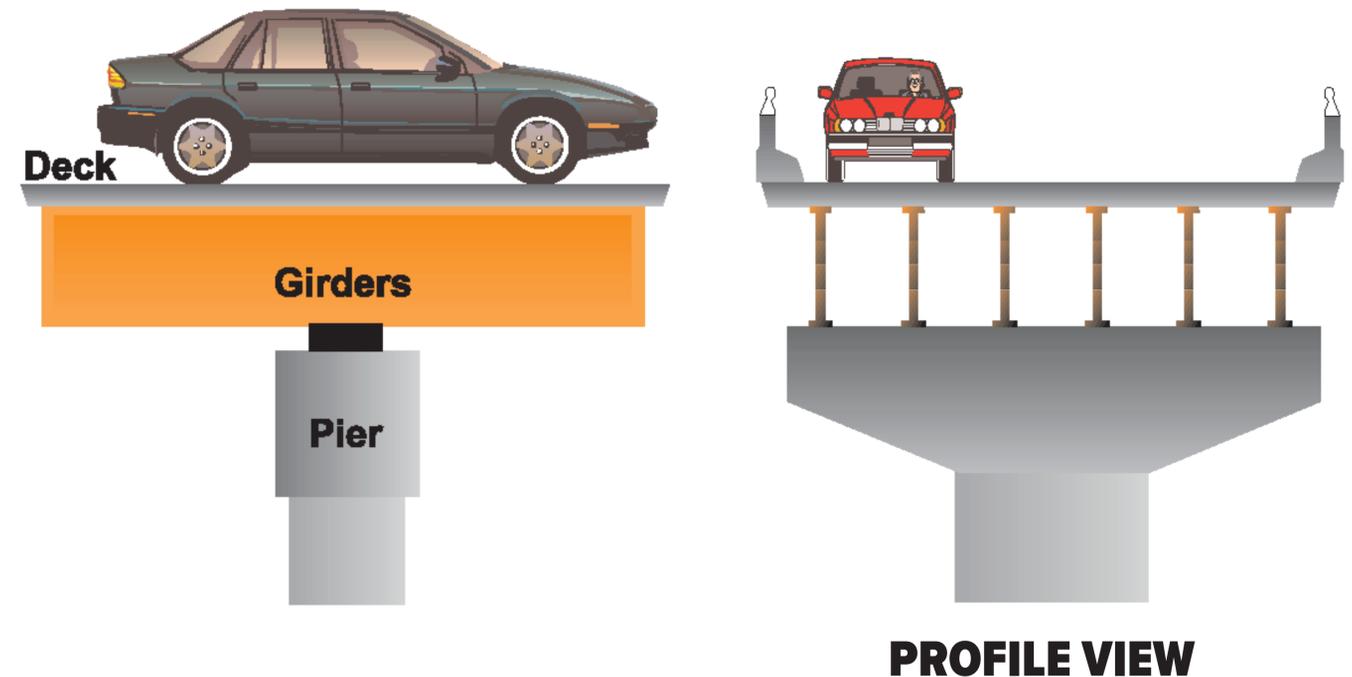


## Bridge Terminology

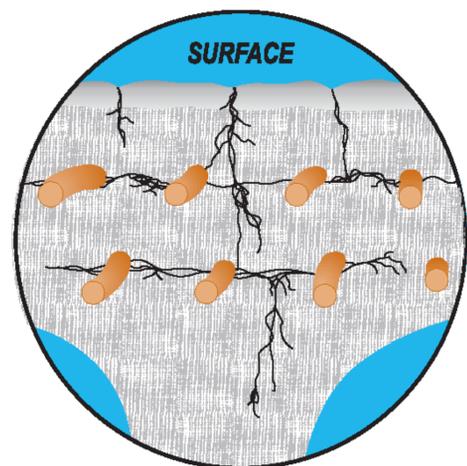
There are several types of construction designs for bridges.

Most Wisconsin bridges have:

- Decks, the top surface of the bridge on which you drive
- Girders, the horizontal spans that rest on the piers
- Piers, the vertical columns that support the girders



## Reinforcing Bars



Concrete is typically poured over a lattice of steel reinforcing bars called “rebar”. Rebar gives concrete its strength and is used in concrete piers, girders, and decks. When cracks form in the deck allowing water to come in contact with the rebar, the rebar rusts and the concrete comes apart. New bridges have coated rebar to reduce rusting.



# I-43 N-S

## Purpose and Need

AUGUST 2019

# Purpose and Need - Traffic and Safety

## 2103-2017 CRASH STATISTICS

- 347 crashes
  - 188 northbound
  - 159 southbound
- Crash rate is 52% higher than the statewide average
- 10 crashes on the Capitol Drive ramps
- 23 crashes on the Hampton Avenue ramps

## DESIGN DEFICIENCIES

- Narrow shoulders
- Substandard stopping sight distance
- Substandard geometry

## EXISTING AND FORECAST TRAFFIC PROJECTIONS

### AVERAGE ANNUAL DAILY TRAFFIC (AADT)

I-43	2019 AADT	2050 AADT	PERCENT CHANGE
At Capitol Drive	131,750	150,600	14%
Between Capitol Drive and Hampton Avenue	128,950	146,800	14%
Between Hampton Avenue and Silver Spring Road	114,750	131,100	14%



# I-43 N-S

## Purpose and Need

AUGUST 2019

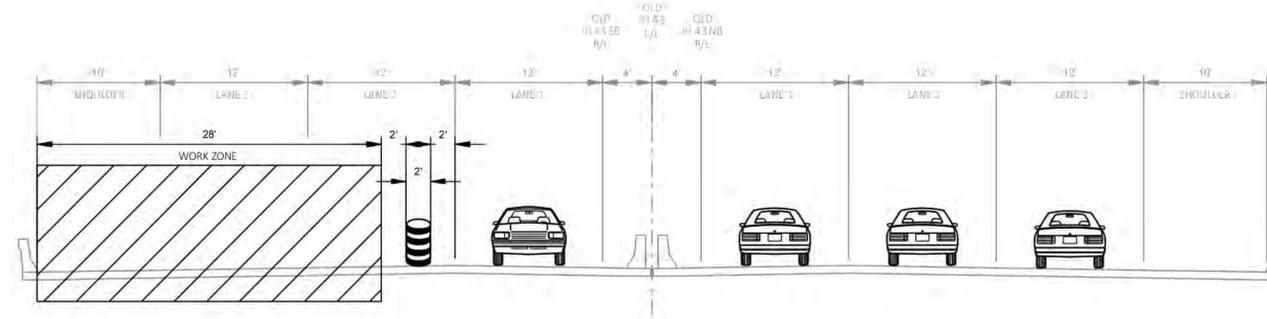
### Purpose and Need - Condition of Infrastructure

- Rehabilitate or replace three bridges over northbound exit to Green Bay Road (mainline and exit ramp bridges)
- Remove I-43 bridge over abandoned railroad yard
- Replace I-43 bridge over Glendale Avenue
- Rehabilitate or replace three bridges over Milwaukee River and Hampton Avenue (mainline and entrance ramp bridges)



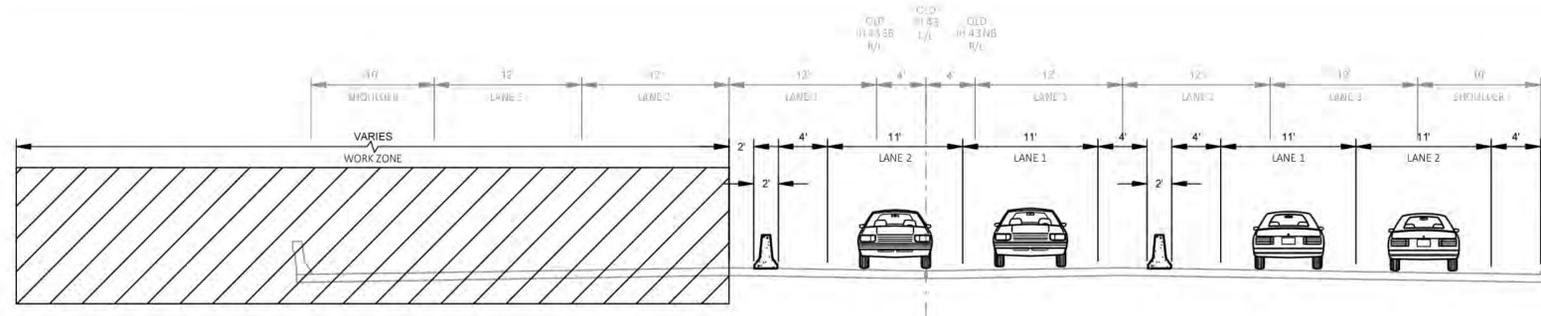


# I-43 N-S: ID 1228-22-01/72 CONSTRUCTION STAGING



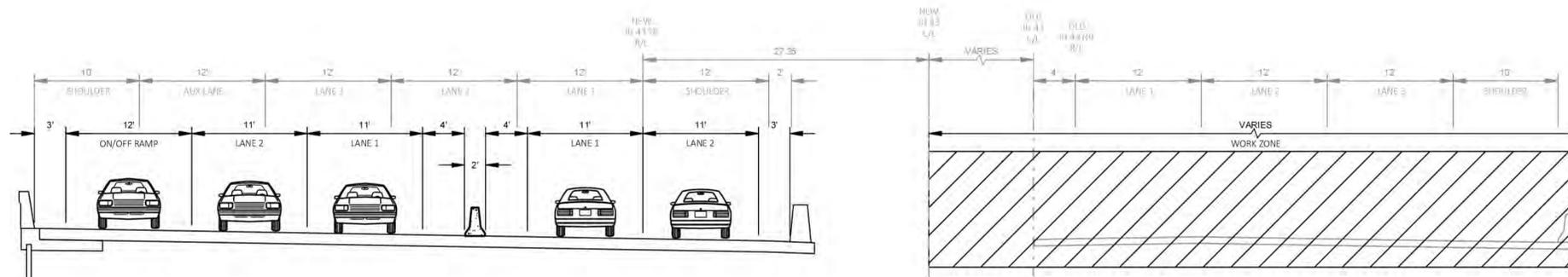
## STAGE 1 - YEAR 2021

SOUTHBOUND AND NORTHBOUND NIGHTTIME LANE AND RAMP CLOSURES



## STAGE 2 - YEAR 2022

2-LANES OPEN IN EACH DIRECTION



## STAGE 3 - YEAR 2023

2-LANES OPEN IN EACH DIRECTION



# I-43 N-S: ID 1228-22-01/71

## CAPITOL DRIVE TO 2100 FEET NORTH OF HAMPTON AVENUE

AUGUST 2019

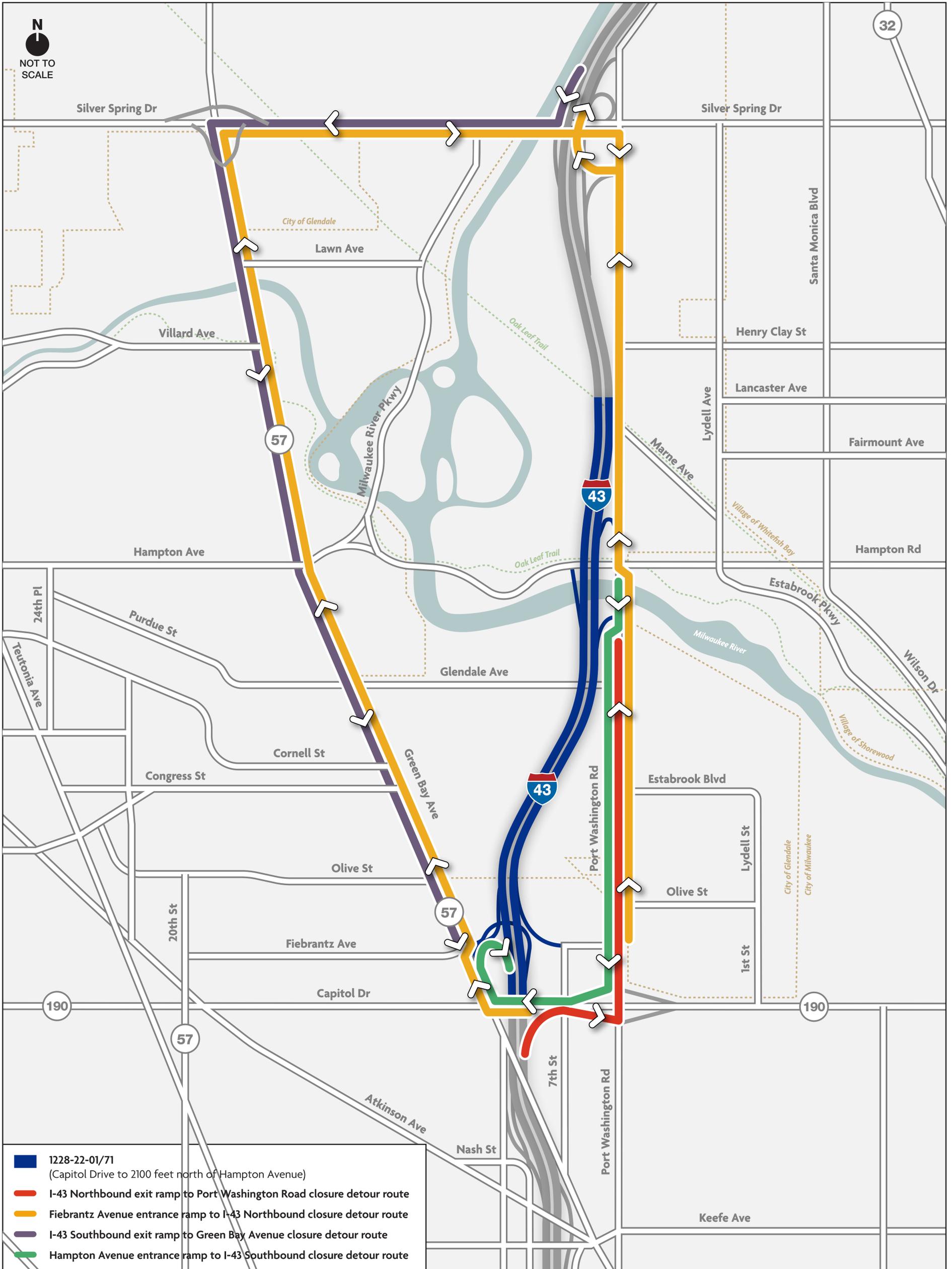
ACTIVITY	2019				2020				2021				2022				2023			
Preliminary Plans																				
Environmental Document																				
Design Reports																				
Plat																				
Right of Way Acquisition																				
Plans Sent to Utilities																				
Final Plans																				
Permits																				
Plans Complete																				
Letting																				
Construction																				



# I-43 N-S: ID 1228-22-01/71

## RAMP CLOSURE DETOUR ROUTES

AUGUST 2019





# I-43 N-S: ID 1228-22-01/71 FREEWAY CLOSURE DETOUR ROUTES

AUGUST 2019

