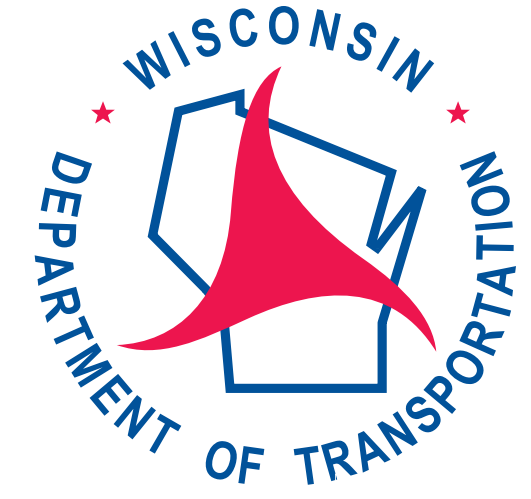




I-41 Zoo Freeway BURLEIGH STREET to SILVER SPRING DRIVE



# Purpose and Need



The purpose of the project is to address substandard traffic operations and deteriorating pavement and structure conditions to maintain safe and efficient vehicular movement along I-41. The need for the project is based on the following factors:

## PAVEMENT CONDITION

The roadway was originally constructed in 1966 with pavement rehabilitation work done in the 1980s, 2001 and 2015. The corridor is experiencing pavement deterioration and decreased ride quality due to the age of the infrastructure.

## SAFETY

The corridor has four locations that experience crash rates that exceed the state wide average near Burleigh Street, Union Pacific Railroad, Capitol Drive and Silver Spring Drive. Most crashes are attributed to roadway geometrics (curves) and traffic congestion.

## BRIDGE CONDITION

Based on inspections, bridge maintenance is needed to address deck deterioration and to preserve the current function of the bridges along the corridor.

## TRAFFIC OPERATIONS

The existing roadway has 146,330 average annual daily traffic (AADT) volumes and has an unstable traffic flow that is near capacity. By 2035, traffic volumes are projected to increase to 166,470 AADT, which will make the corridor even more congested.

