

# USH 51 STOUGHTON ROAD CROSSING REPLACEMENT

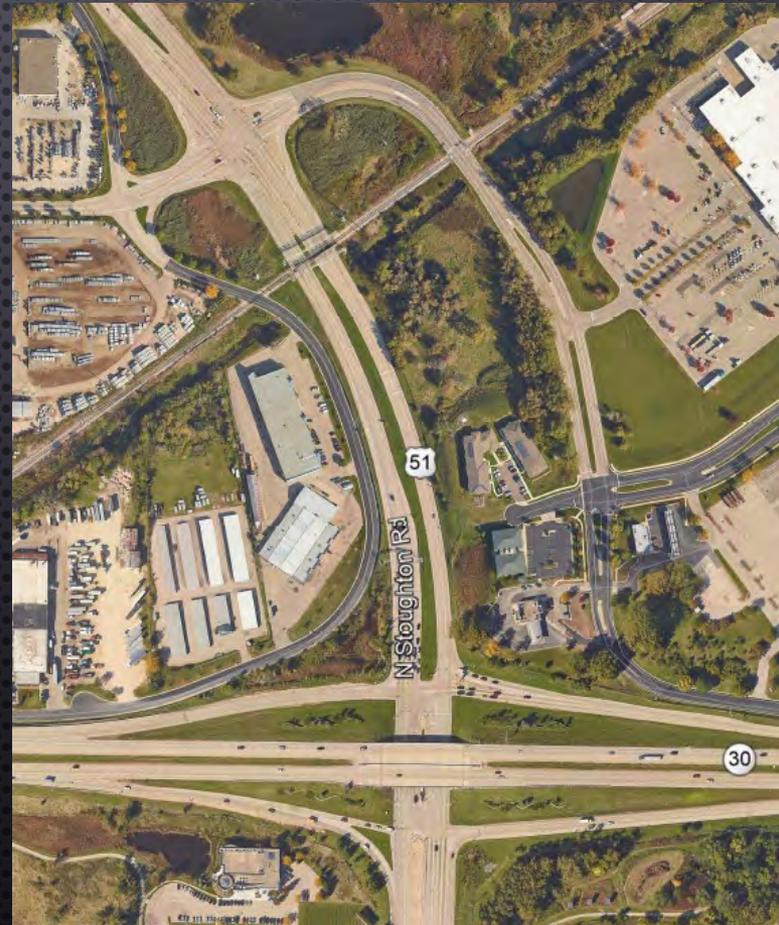
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WISDOT GRADE CROSSING SAFETY ENGINEER

# USH 51 – STOUGHTON ROAD

- NORTHEAST PART OF MADISON
- ALTERNATE ROUTE TO I-39
- 28,000 VEHICLES PER DAY
- SIX-LANE DIVIDED HIGHWAY
- 45 MPH SPEED LIMIT
- TRAFFIC SIGNAL TO THE NORTH
- INTERCHANGE WITH STH 30 TO THE SOUTH



# EXISTING RAILROAD CROSSING SURFACE

- RUBBER CROSSING SURFACE
- APPROXIMATELY 130' LONG
- MOST PANELS IN SOUTHBOUND LANES REMOVED
- HOLES IN THE PAVEMENT
- VERY ROUGH RIDE



# EXISTING RAILROAD CROSSING SURFACE

- WSOR HAD MAINTAINED THE CROSSING FOR LONG ENOUGH
- TIME FOR A NEW SURFACE
- PROGRAMMED IN WISDOT'S CROSSING REPAIR PROGRAM



# CROSSING REPAIR PROGRAM

- PROGRAM ALLOWS FOR 85% OF COSTS OF REPLACING CROSSING SURFACE
- NOT ENOUGH FUNDS TO COVER 85% OF THE CROSSING WORK
- THIS PROJECT USED ONE YEAR'S WORTH OF FUNDING



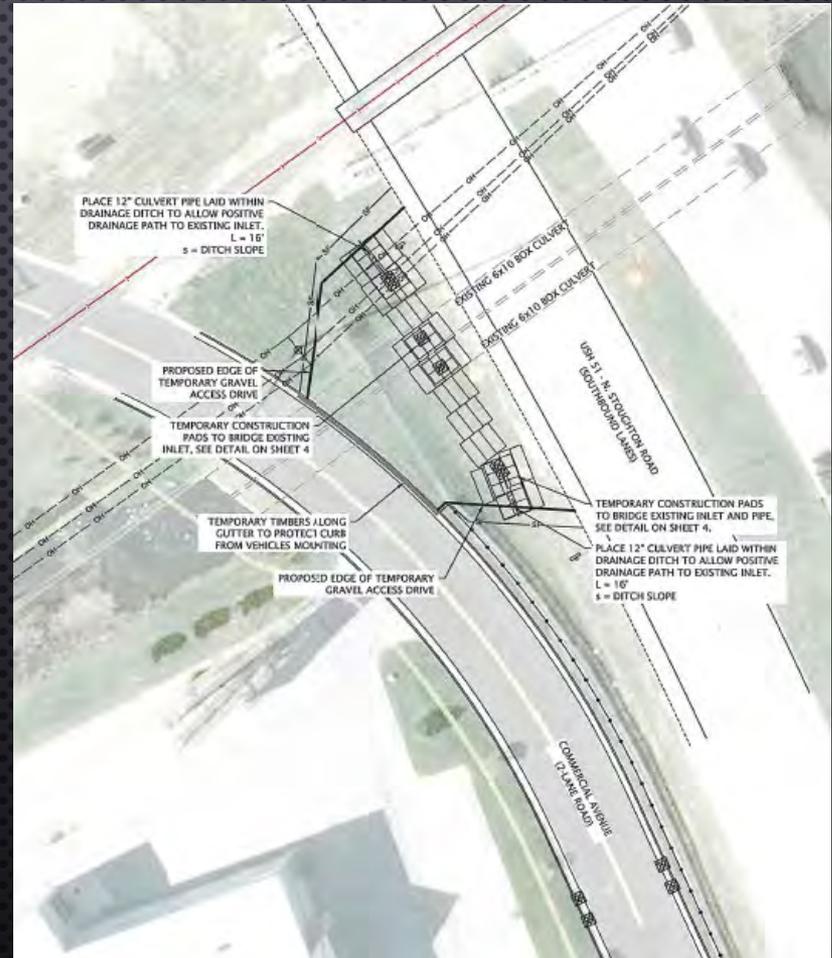
# PROBLEMS TO OVERCOME

- WEEK LONG CLOSURE NOT AN OPTION
  - 28,000 VEHICLES PER DAY
  - SIX-LANE DIVIDED HIGHWAY
- COMMERCIAL AVENUE FRONTAGE ROAD CROSSING
  - NEEDED TO BE REPLACED FOR TRACK RAISE
  - CROSSING IS THE ONLY ACCESS



# COMMERCIAL AVE TEMPORARY ACCESS

- TEMPORARY ACCESS TO COMMERCIAL AVENUE DURING CROSSING SURFACE REPLACEMENT
- CONSTRUCTION PADS TO BRIDGE OVER CULVERT INLETS
- NEEDED TO ACCOMMODATE LARGE TRUCKS



# DETOUR & TRAFFIC CONTROL

- WISDOT REGION TRAFFIC REQUIRED A WEEKEND CLOSURE
  - RELUCTANTLY AGREED TO FULL CLOSURE
  - WHY NOT HALF AT A TIME?
- OFFICIAL DETOUR USED I-39 & STH 30
- TRAFFIC ON STOUGHTON ROAD SOUTH OF I-39 REROUTED ALONG EAST WASHINGTON AVE TO I-39

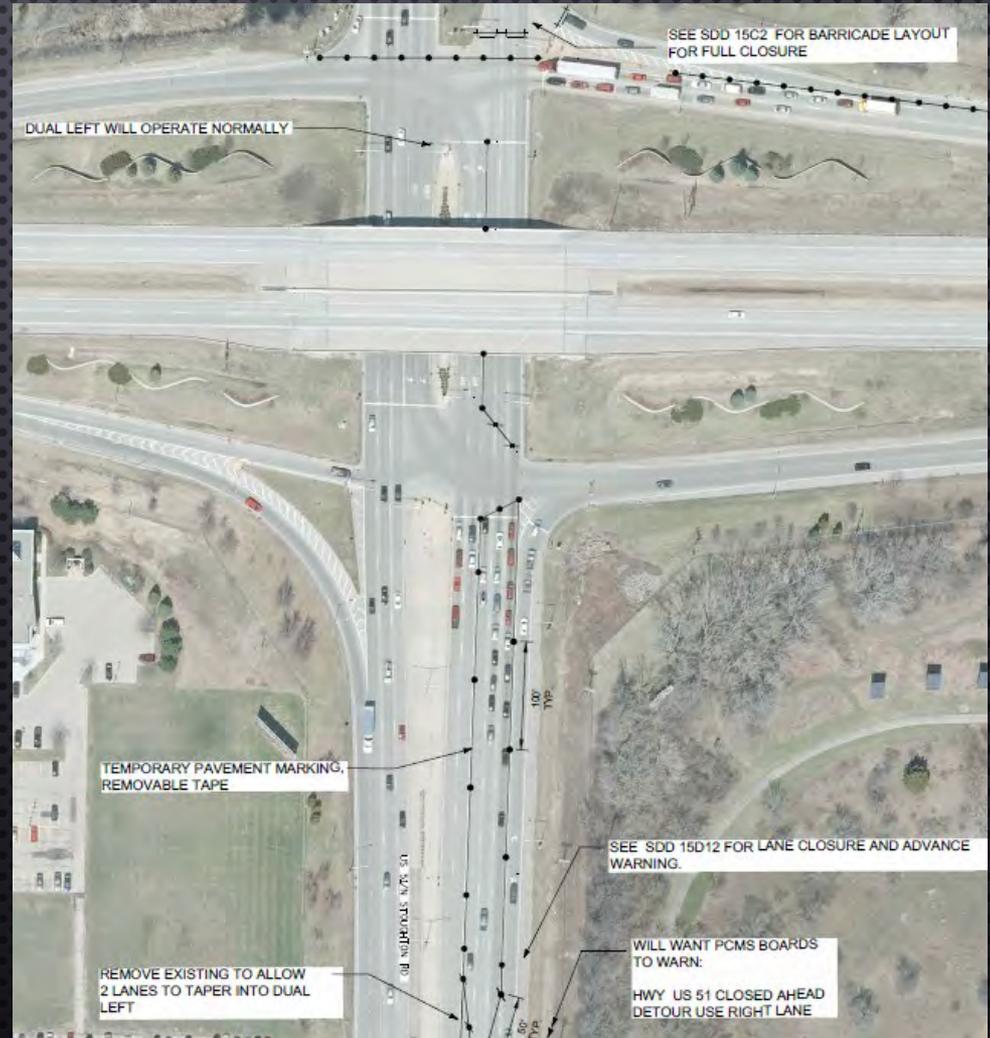






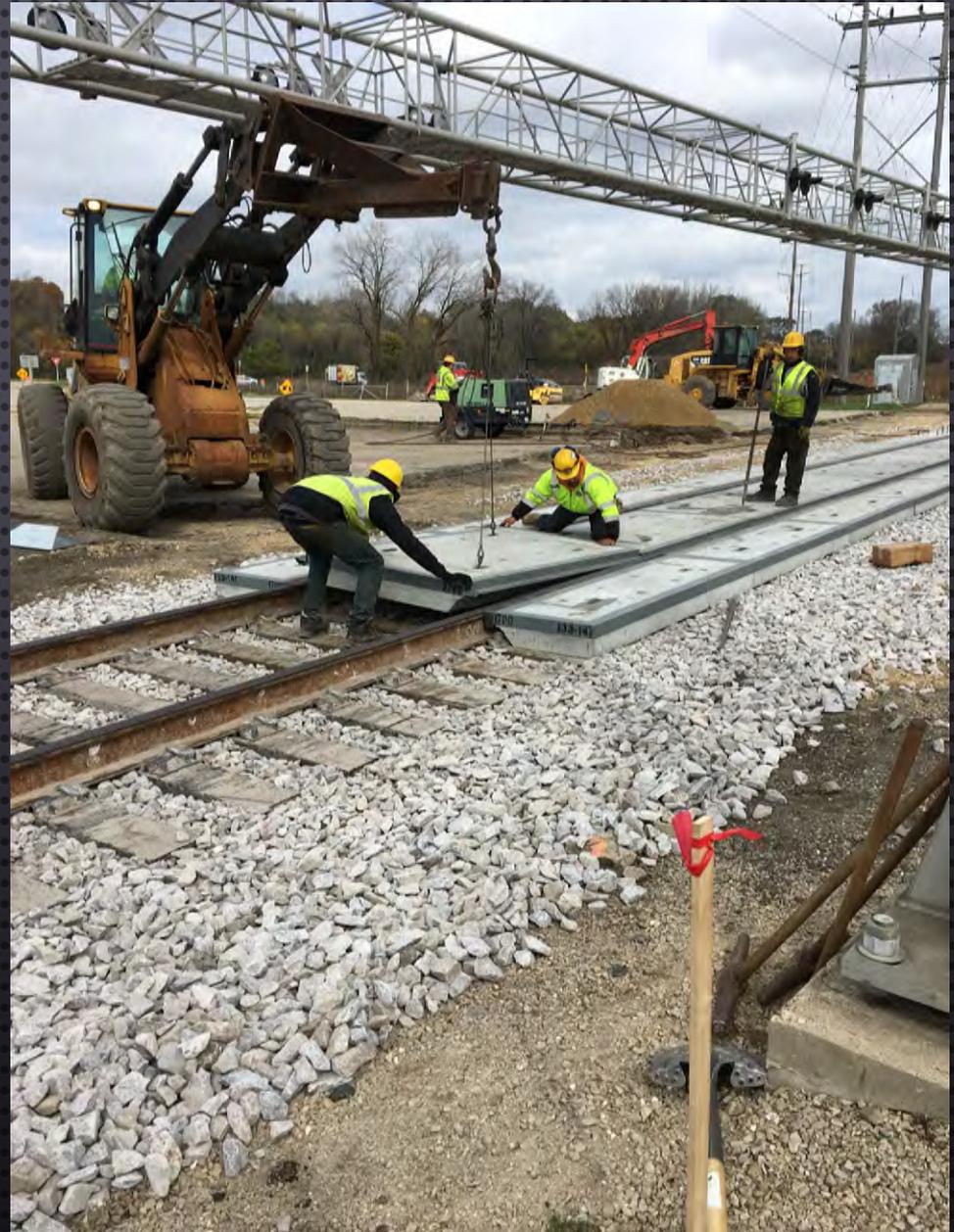
# DETOUR & TRAFFIC CONTROL

- STH 30 INTERCHANGE
  - TRAFFIC SIGNALS DO NOT HAVE PREEMPTION
  - TEMPORARY SIGNAL TIMING
  - THREE NORTHBOUND THROUGH LANES CLOSED
  - FULL CLOSURE ON NORTH SIDE OF INTERCHANGE



# CONSTRUCTION

- TRACK PANEL CONSTRUCTED IN ADVANCE
- ROADWAY CLOSURE STARTED FRIDAY NIGHT
- CONCRETE PANELS PLACED SATURDAY
- ROADWAY PAVED SUNDAY
- BACK OPEN TO TRAFFIC FOR MONDAY MORNING RUSH HOUR



# CONSTRUCTION



# FINISHED CROSSING SURFACE

- NEW CONCRETE PANEL CROSSING
- A YEAR LATER THE CROSSING IS HOLDING UP WELL



# FINISHED CROSSING SURFACE

- NEW CONCRETE PANEL CROSSING
- A YEAR LATER THE CROSSING IS HOLDING UP WELL



# CROSSING REPAIR PROGRAM

- IN THE 2019-2021 STATE BUDGET, THE CROSSING REPAIR PROGRAM WAS DOUBLED TO \$467,300 PER YEAR
- CURRENTLY WORKING ON PRIORITIZING AND PROGRAMMING PROJECTS
- STATE HIGHWAYS NOT WITHIN CONNECTING LIMITS
- STARTED A PROCESS TO REVIEW ALL ELIGIBLE CROSSINGS BY ONE GROUP IN THE SAME YEAR FOR CONSISTENCY