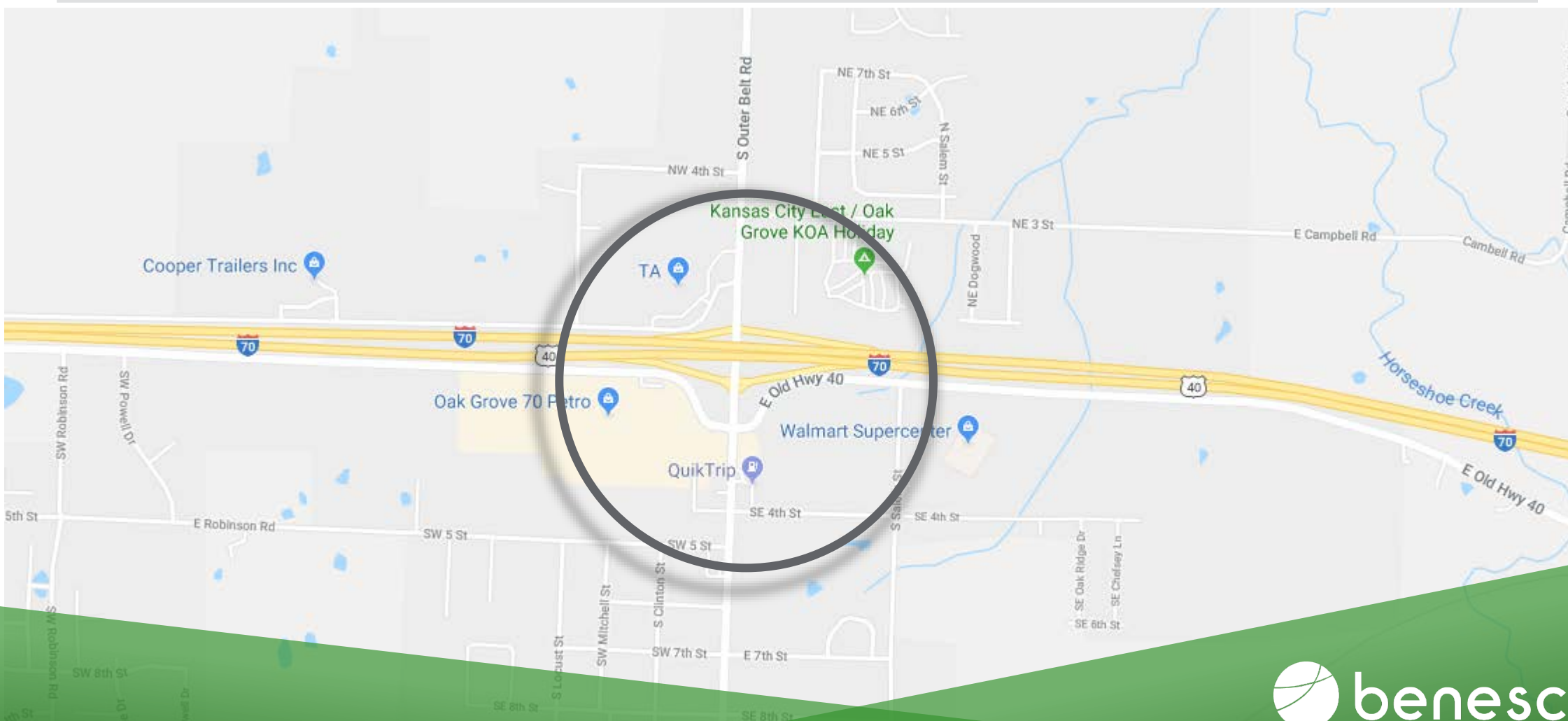


ROUTE F/H OVER I-70 DIVERGING DIAMOND INTERCHANGE





PROJECT LOCATION



PROJECT SCOPE

**MODIFY INTERCHANGE GEOMETRY
TO DIVERGING DIAMOND**

REPLACE BRIDGE DECK

**LENGTHEN ACCELERATION LANES
ON I-70**



I-70 ACCEL LANES



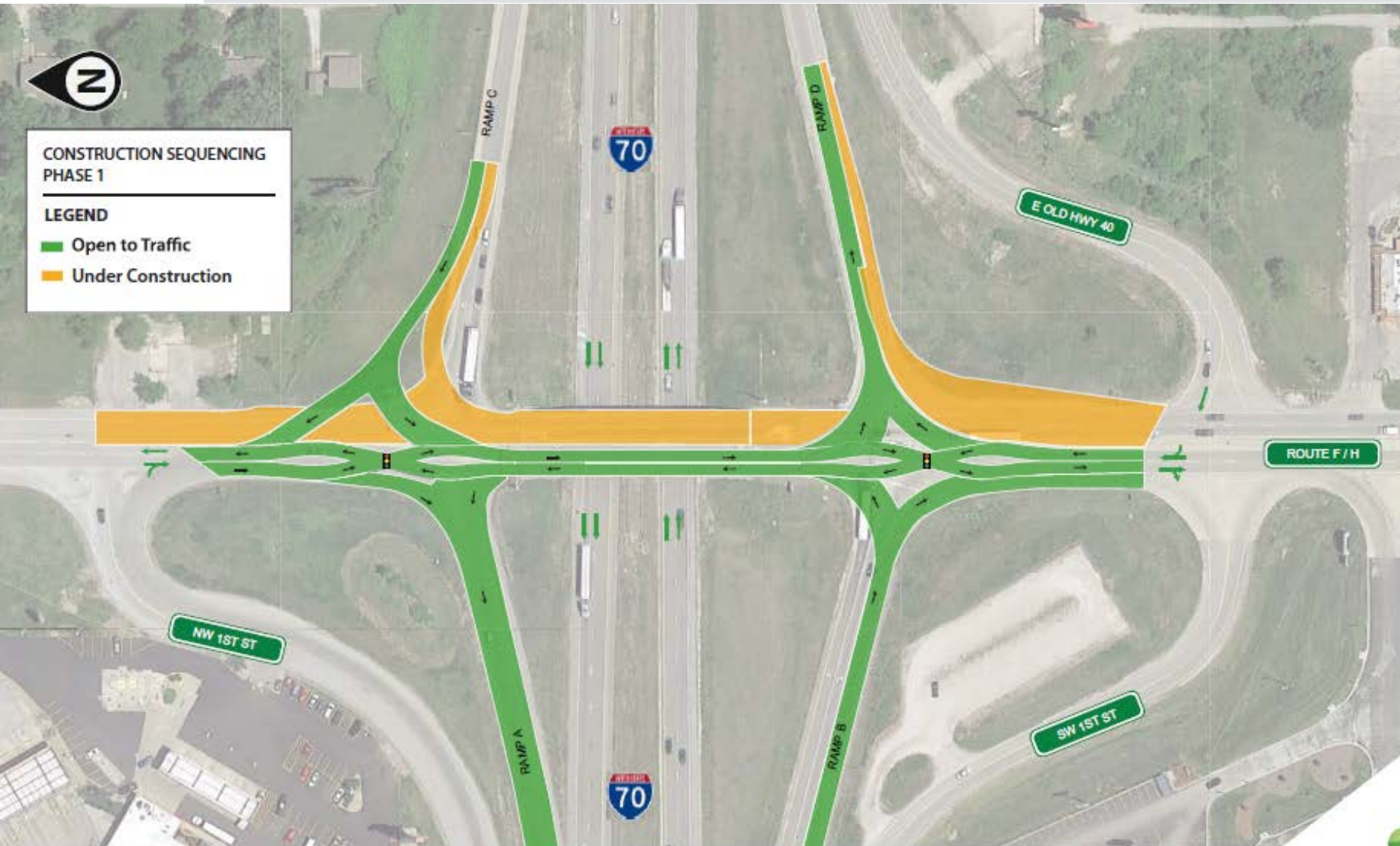
RETROFIT CHALLENGES

- Truck Traffic
- ADA Design on Existing Facilities
- Construction Phasing

CONSTRUCTION PHASING




- Accommodate Trucks
- Build Under Traffic
- Keep all Movements Open
- Temporary DDI
- Full Depth Pavement Replacement Rte H

Original Phasing Plan






- Temporary DDI
- Full-Depth Pavement Replacement
- Significant Truck Traffic
- Close I-70 During Bridge Demo

PHASE I

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






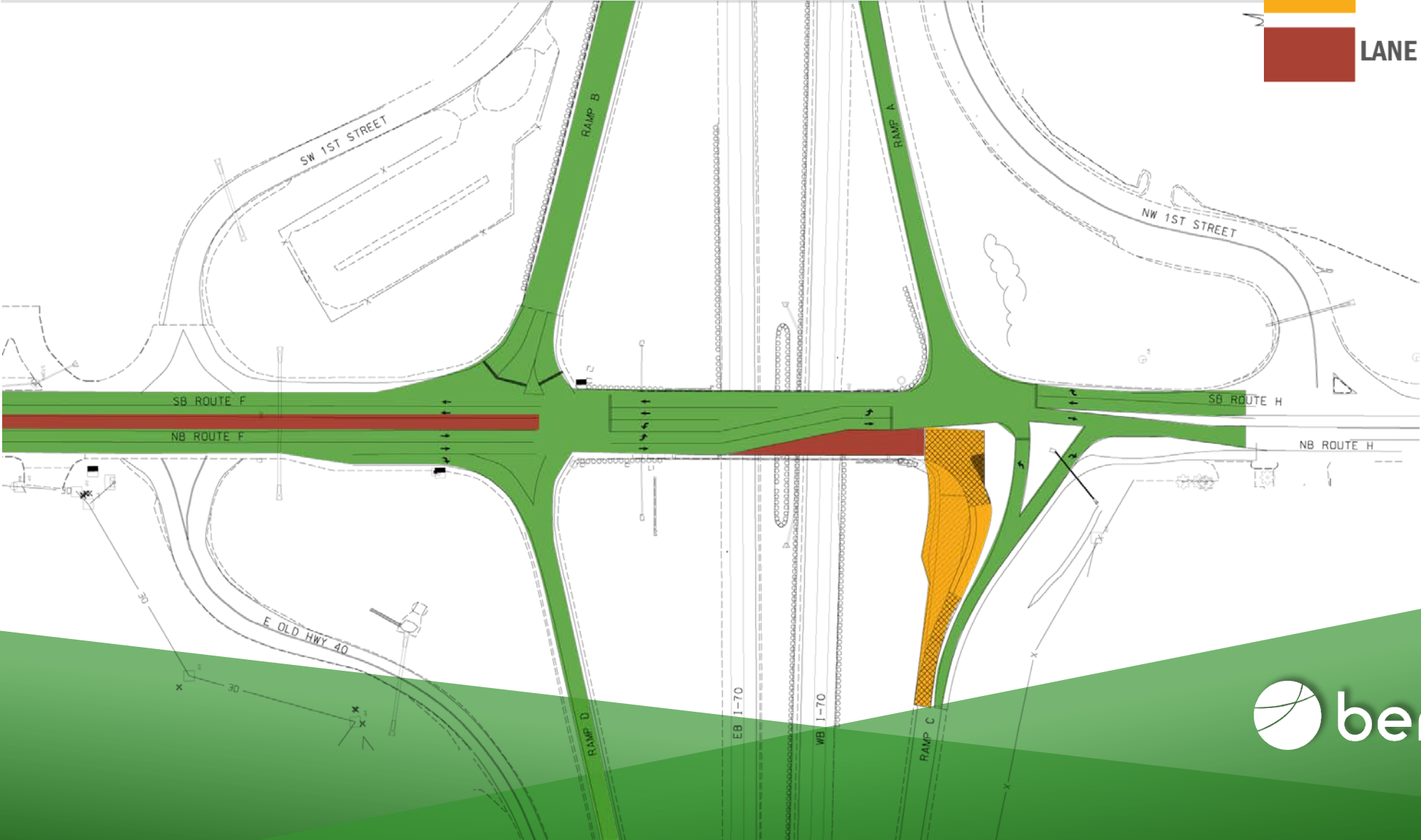
PHASE 2A

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






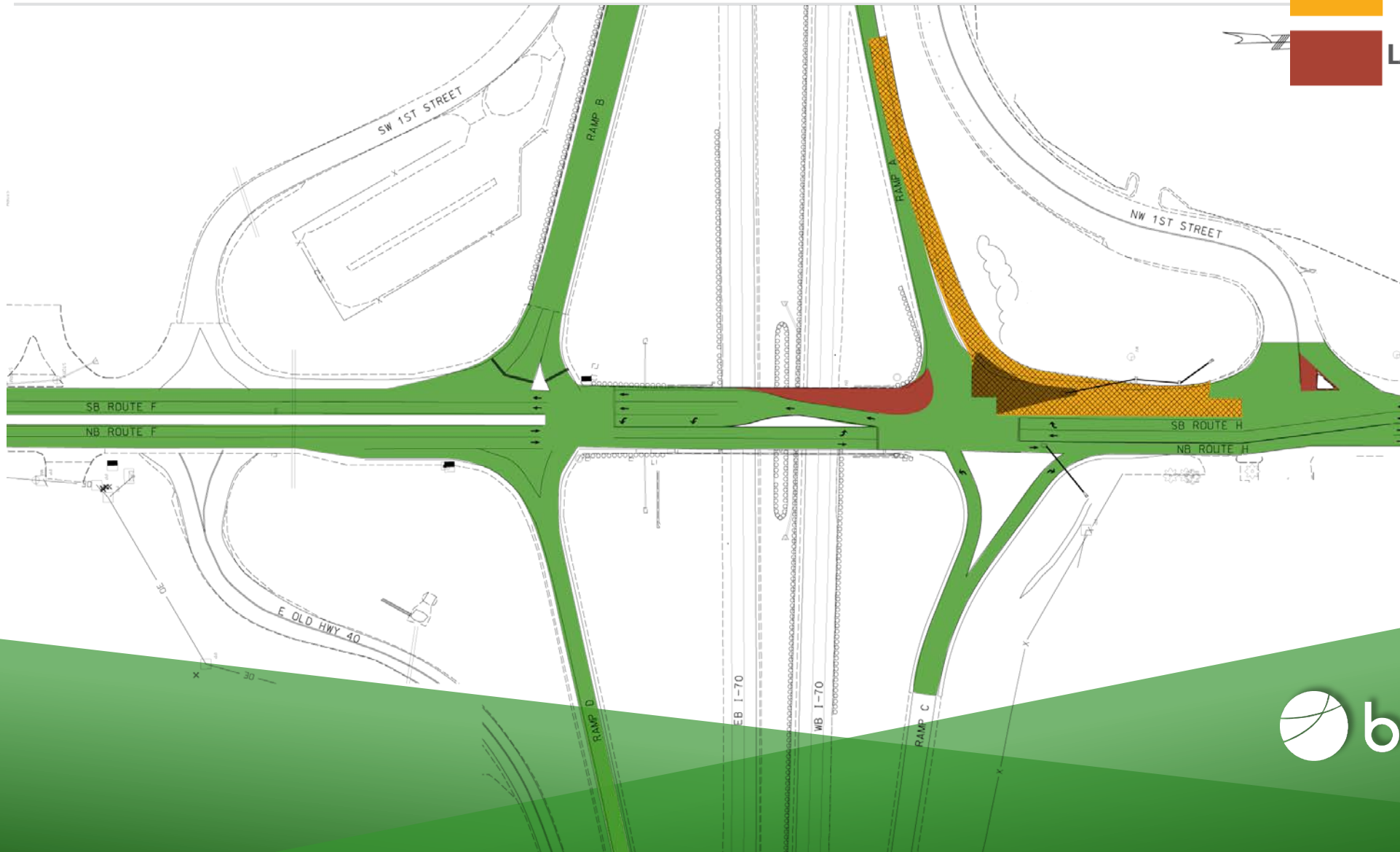
PHASE 2B

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






PHASE 3A

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






PHASE 3B

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






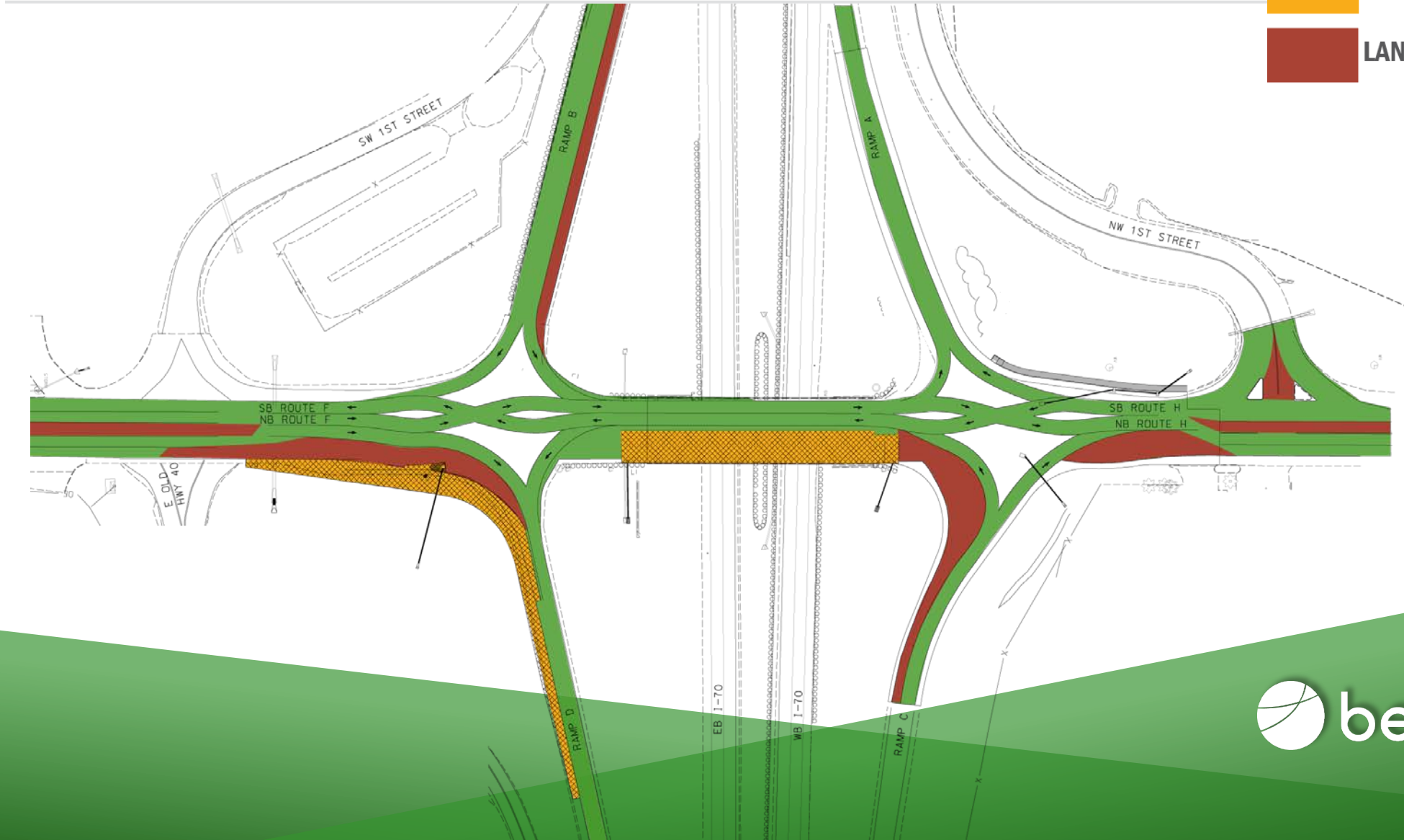
PHASE 3C

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






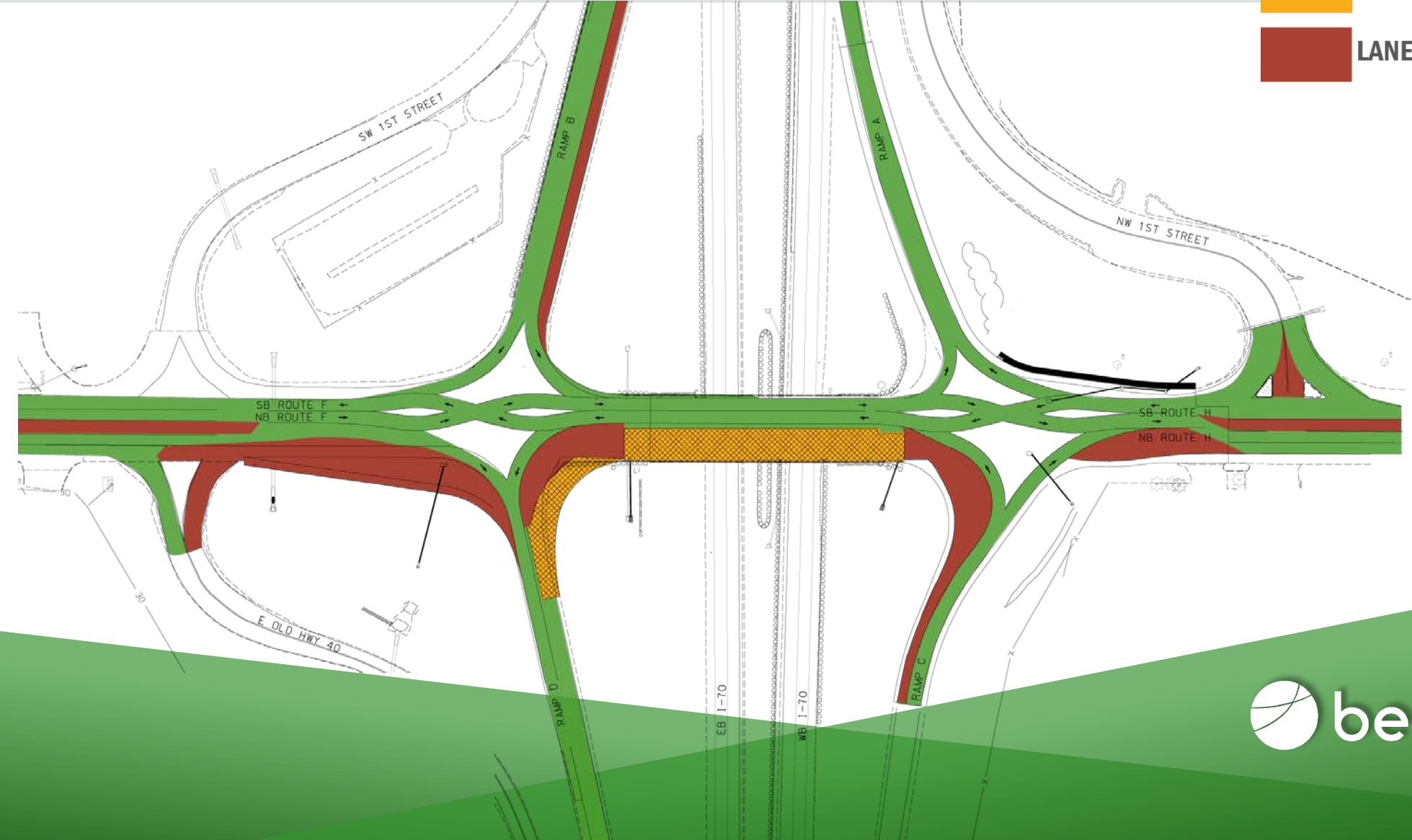
PHASE 4A

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






PHASE 4B

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






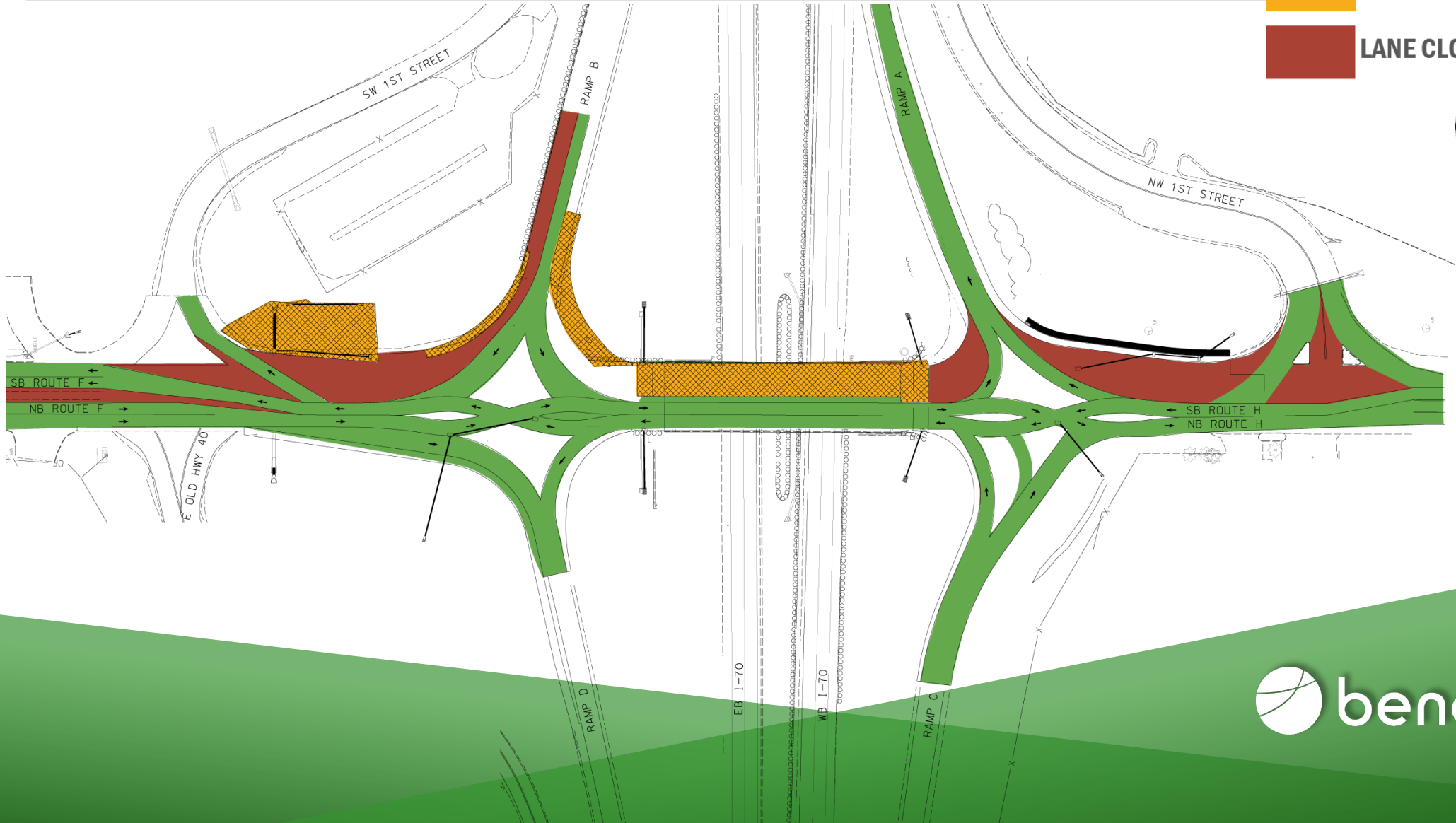
PHASE 4C

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






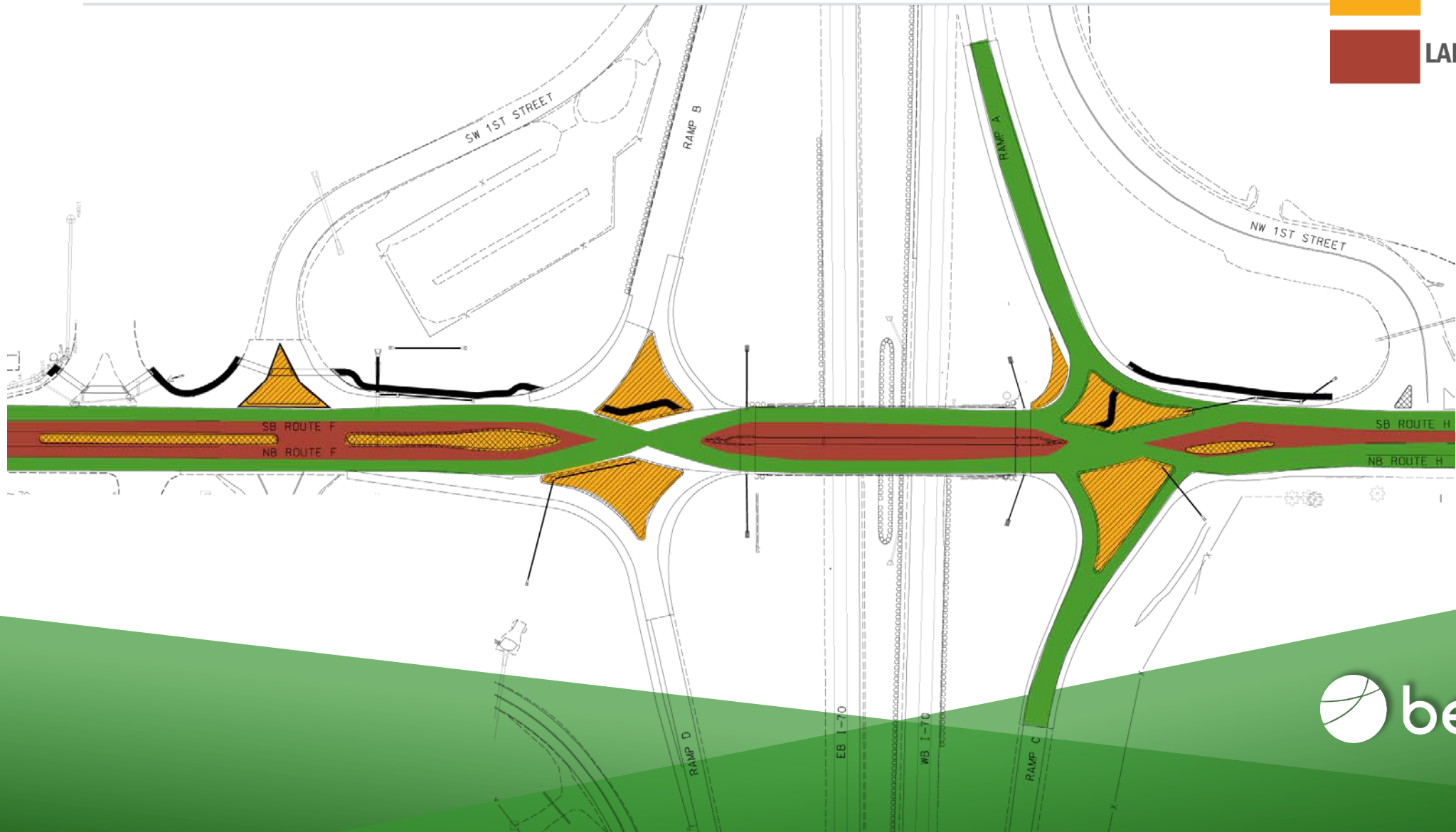
PHASE 5

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED






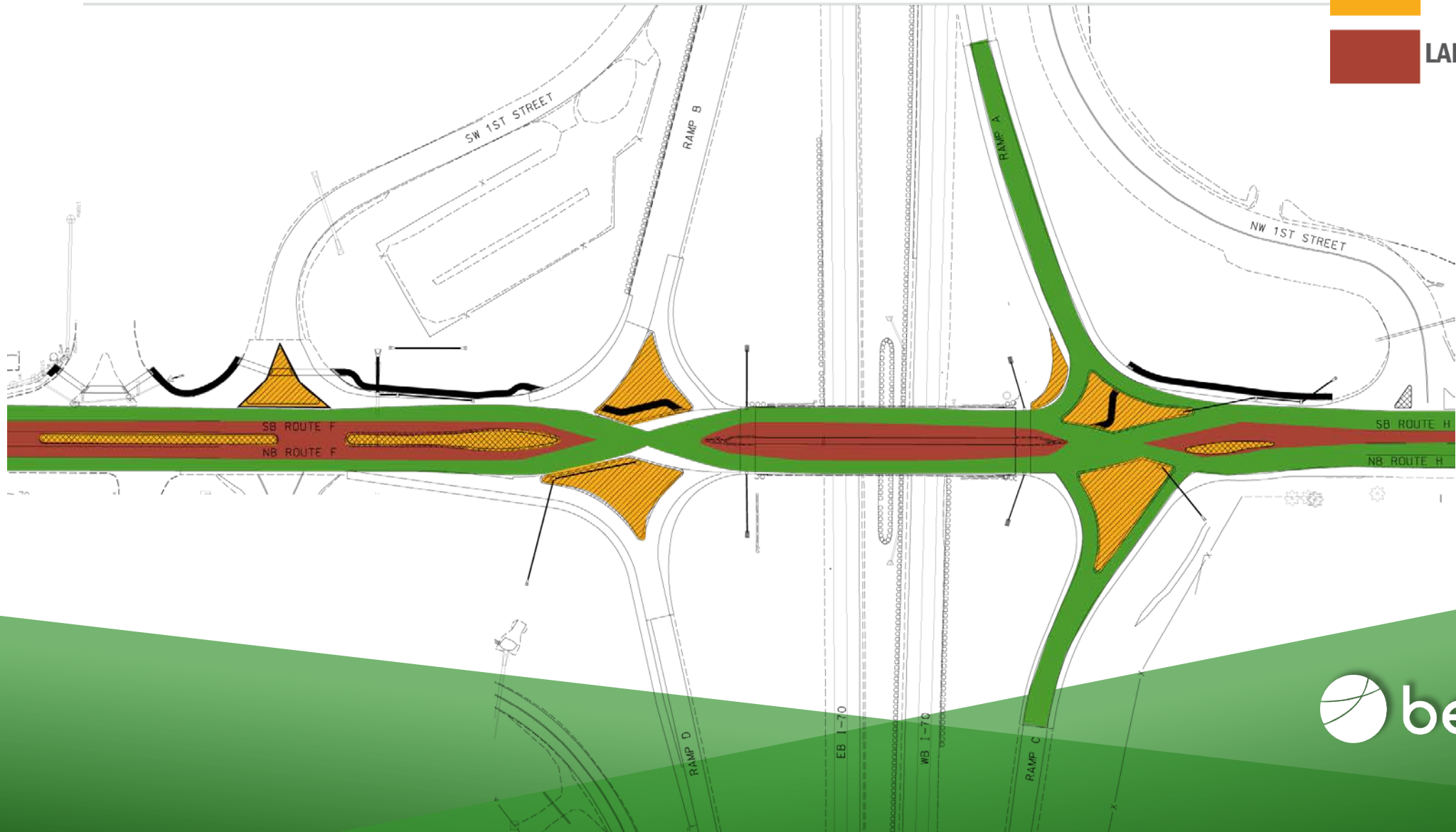
PHASE 5

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED



PHASE 5

-  OPEN TO TRAFFIC
-  CONSTRUCTION AREA
-  LANE CLOSED



STRUCTURAL DESIGN

- Redeck vs Replacement
 - Bridge Item Cost – \$1 million vs \$2+ million
 - Existing Structure has Room for I-70 Expansion
 - Adequate Capacity, Just Under HS-20 Inventory, No Load Posting Necessary

STRUCTURAL DESIGN

o Potential Construction Challenges



STRUCTURAL DESIGN

- Remove End Bent Diaphragm Before Deck
 - Removes Bearing Restraint and Beam Longitudinal Stress

