



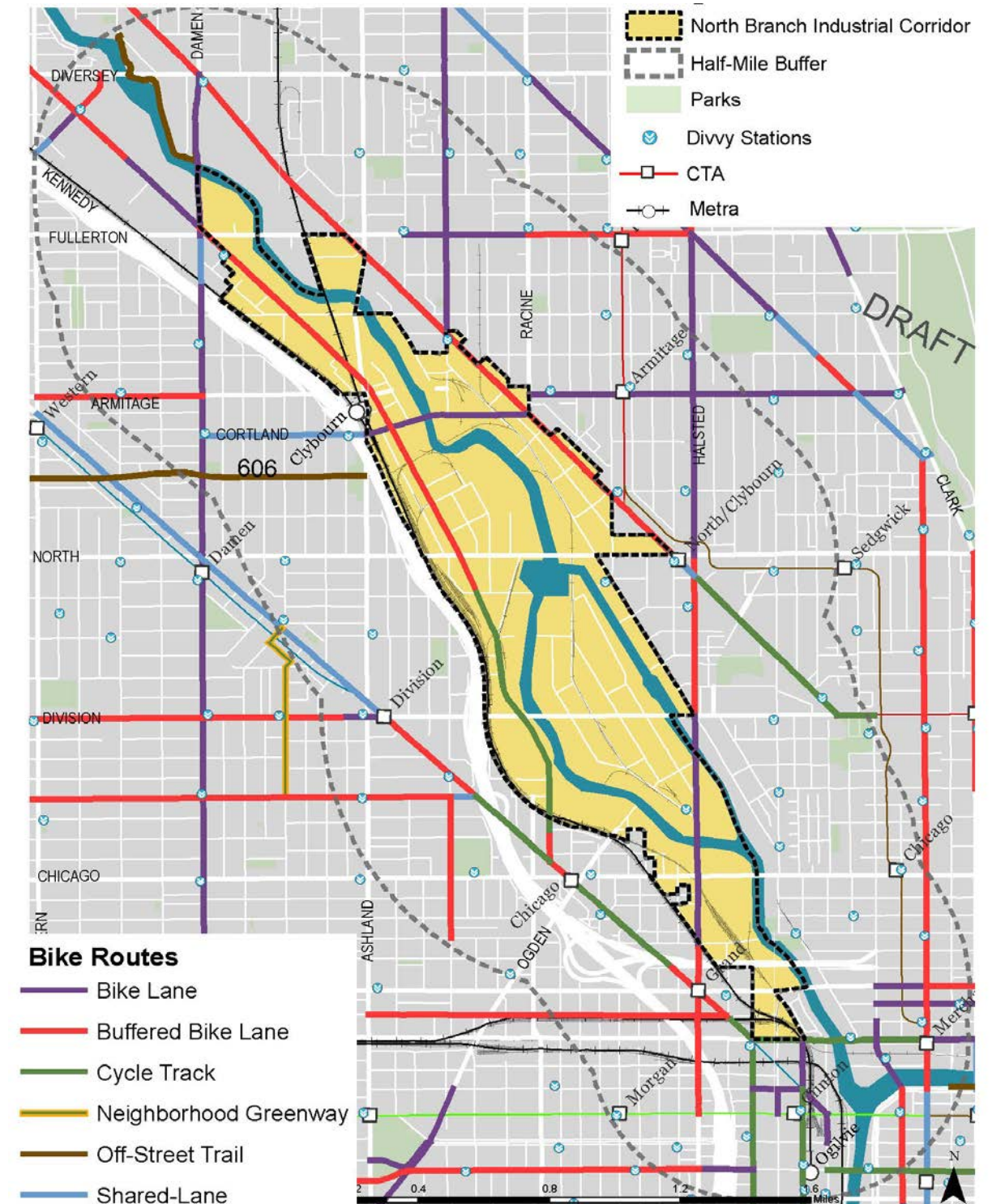
TRANSPORTATION



TRANSPORTATION

COMMUNITY INPUT

- Ensure the multi-modal transportation network can adequately accommodate future uses.
- New/widened streets and bridges, sidewalks and bike lanes (606 extension) – connection and integration into existing networks.
- New multi-modal river crossings.
- Coordinated approach to parking and last-mile transit. (Transportation Mgt. Authority, truck parking & staging, shuttles)
- Address aging infrastructure that is inadequate to serve existing uses.

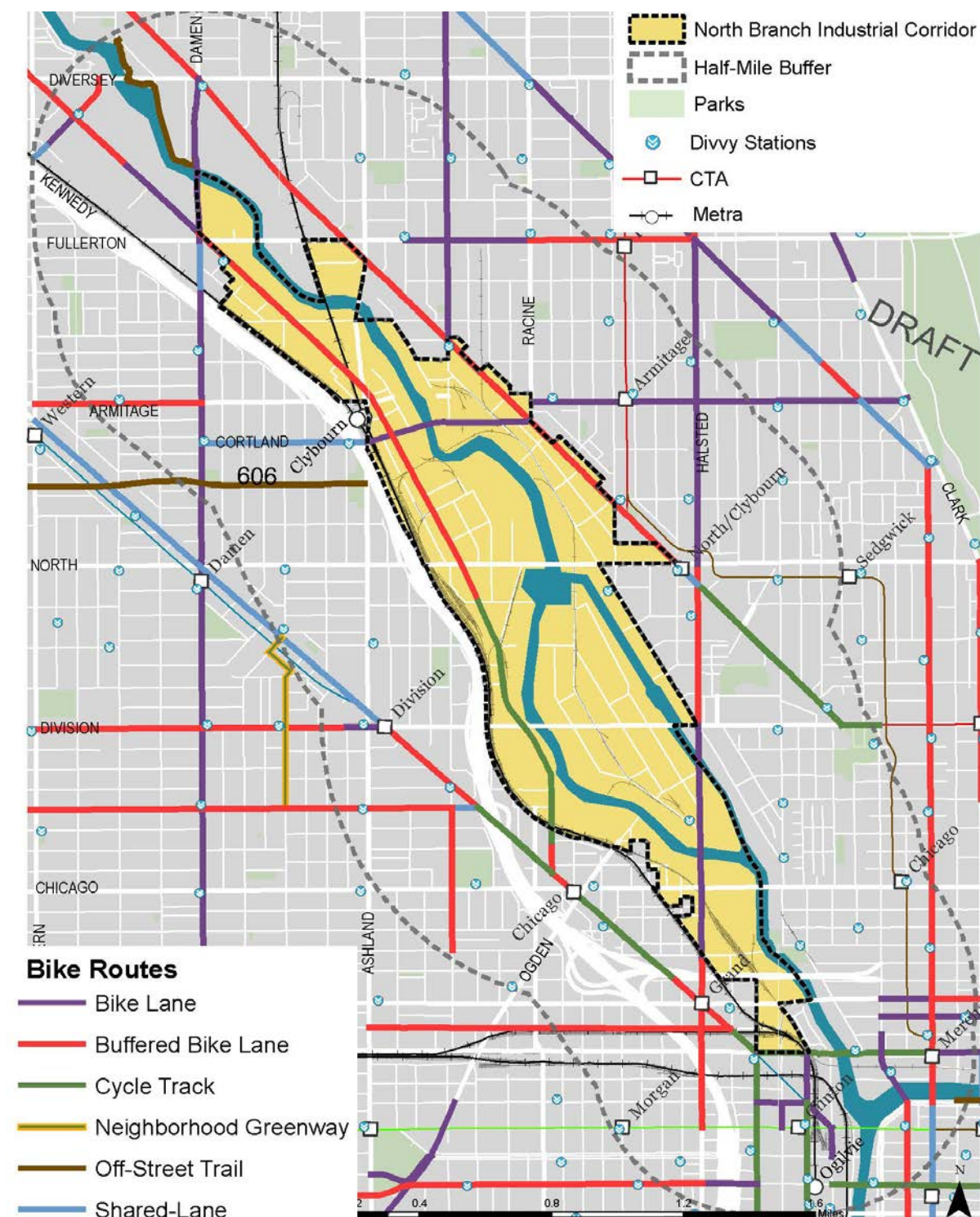




TRANSPORTATION

RESEARCH

- Physical limitation of roadway expansion due to existing properties and bridges.
- CTA stations may not be expanded directly in the North Branch. (But, ongoing projects such as RPM modernization are expected to improve capacity and service to the area.)
- Transit options should strive to accommodate growth.
- Current walkshed areas limit potential growth patterns.
- Need to plan for local and regional transportation for managed growth.
- Tested basic engineering assumptions for different solutions. (bridges, 606)

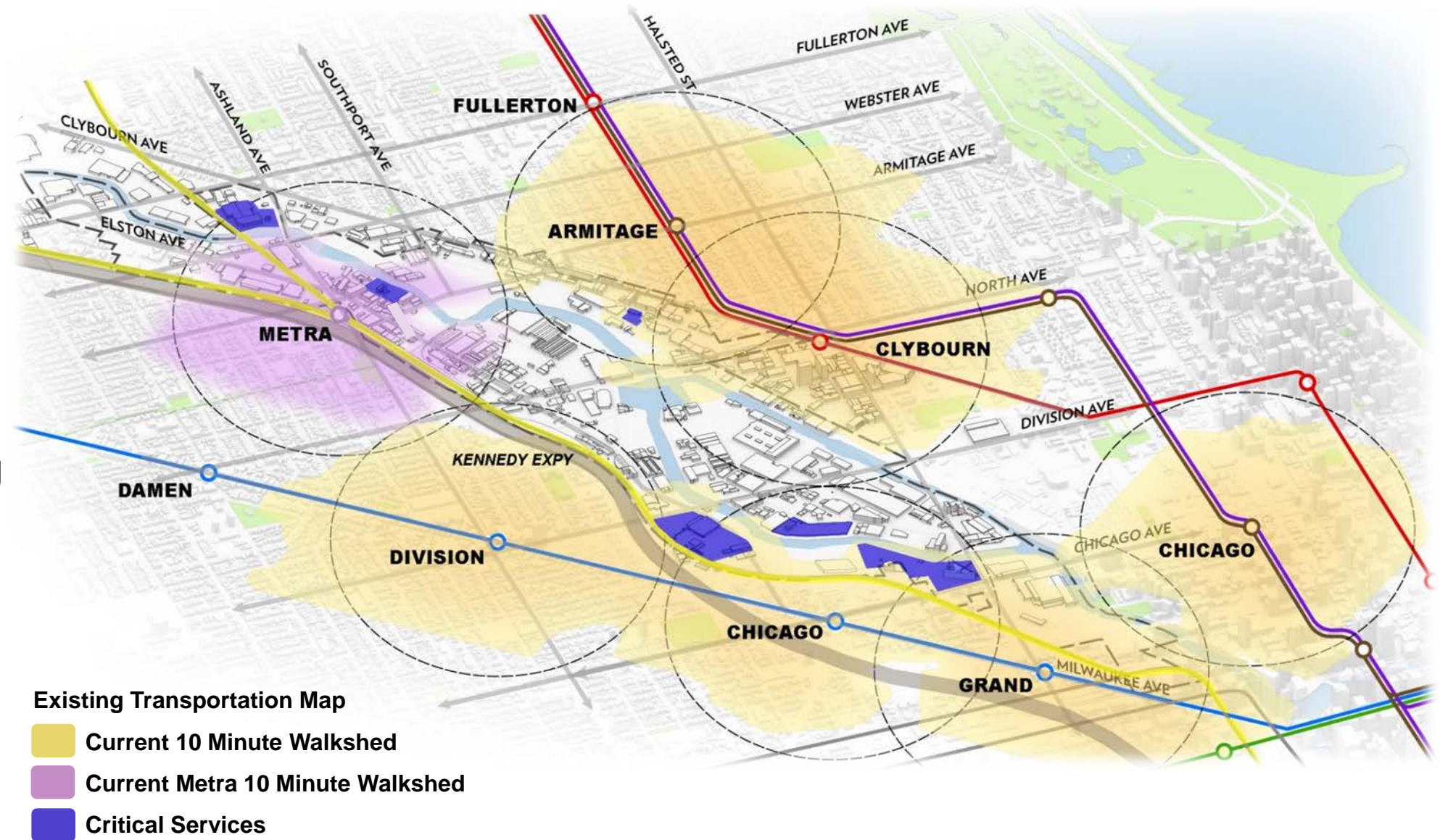




TRANSPORTATION

RECOMMENDATIONS

- Support job growth by preserving existing business routes and creating additional separate connections.
- Plan for local traffic solutions and regional connections.
- Expand walksheds by creating new connections to the existing transit network.
- Develop multi-modal solutions.
- Consider private-sector led transportation enhancements where appropriate.







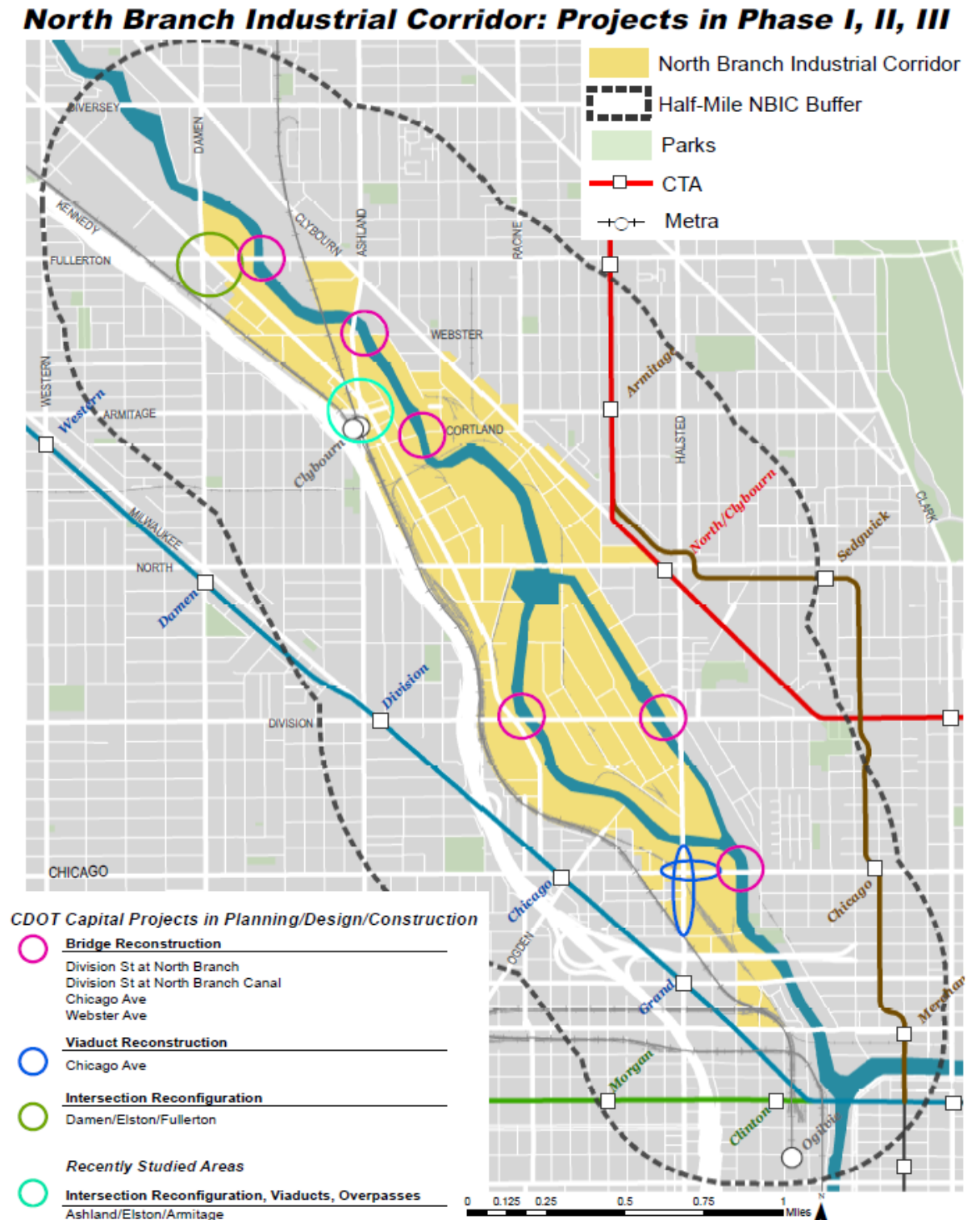


TRANSPORTATION

IMPLEMENTATION IDEAS: SHORT-TERM

1. Make existing network more efficient with CDOT projects in planning, design and construction.

-  BRIDGE RECONSTRUCTION
 - Division St at North Branch
 - Division St at North Branch Canal
 - Chicago Ave
 - Webster Ave
-  VIADUCT RECONSTRUCTION
 - Chicago Ave
-  INTERSECTION RECONFIGURATION
 - Damen/Elston/Fullerton
-  RECENTLY STUDIED AREAS
 - Intersection of Ashland/Elston/Armitage





TRANSPORTATION

IMPLEMENTATION IDEAS: SHORT/MID-TERM

1. Make existing network more efficient by modernizing traffic signals.

ADAPTIVE / INTERCONNECTED SIGNALS HAVE:

DATA: Real-time detection of traffic volumes and queues using cameras and/or in-road sensors.

LOGIC: Fiber-optic or wireless infrastructure to relay camera/sensor data to a computerized 'nerve center.'

EXECUTION: Advanced signal controllers at intersections that constantly readjust signal timing based upon real-time needs.

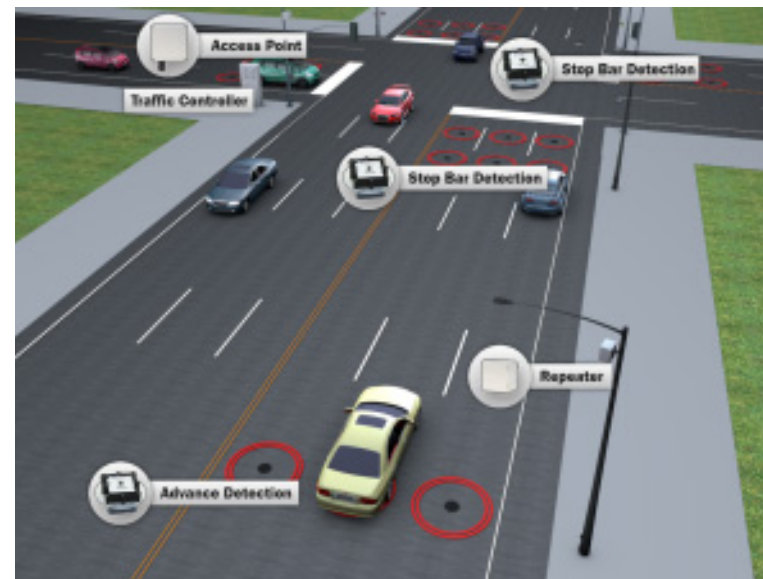
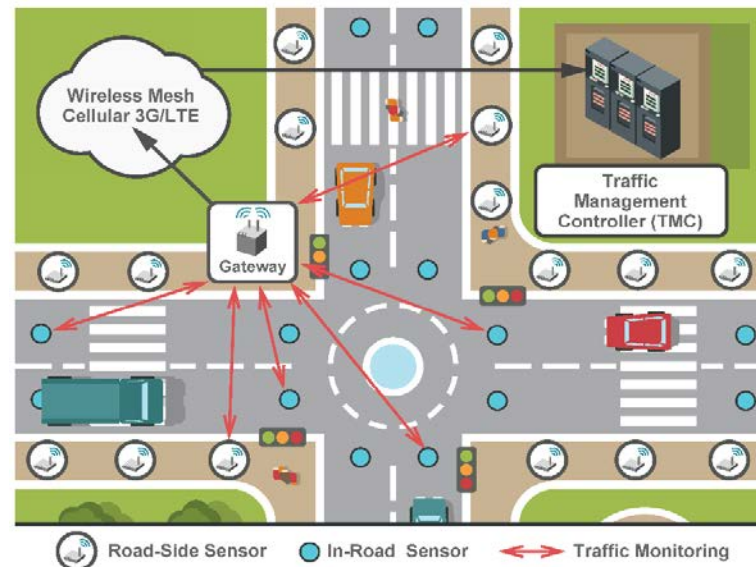
IMPLEMENTATION:

Construction project to replace/upgrade existing infrastructure. Features include in-pavement sensors, traffic detection cameras, intersection signal control modules, fiber-optic connections and/or wireless transponders.

To start, prioritize North Avenue and six-way intersections.

BENCHMARKING POTENTIAL RESULTS:

Implementation in Toronto and Salt Lake City have achieved **10-20% improvements** in delays and travel times.

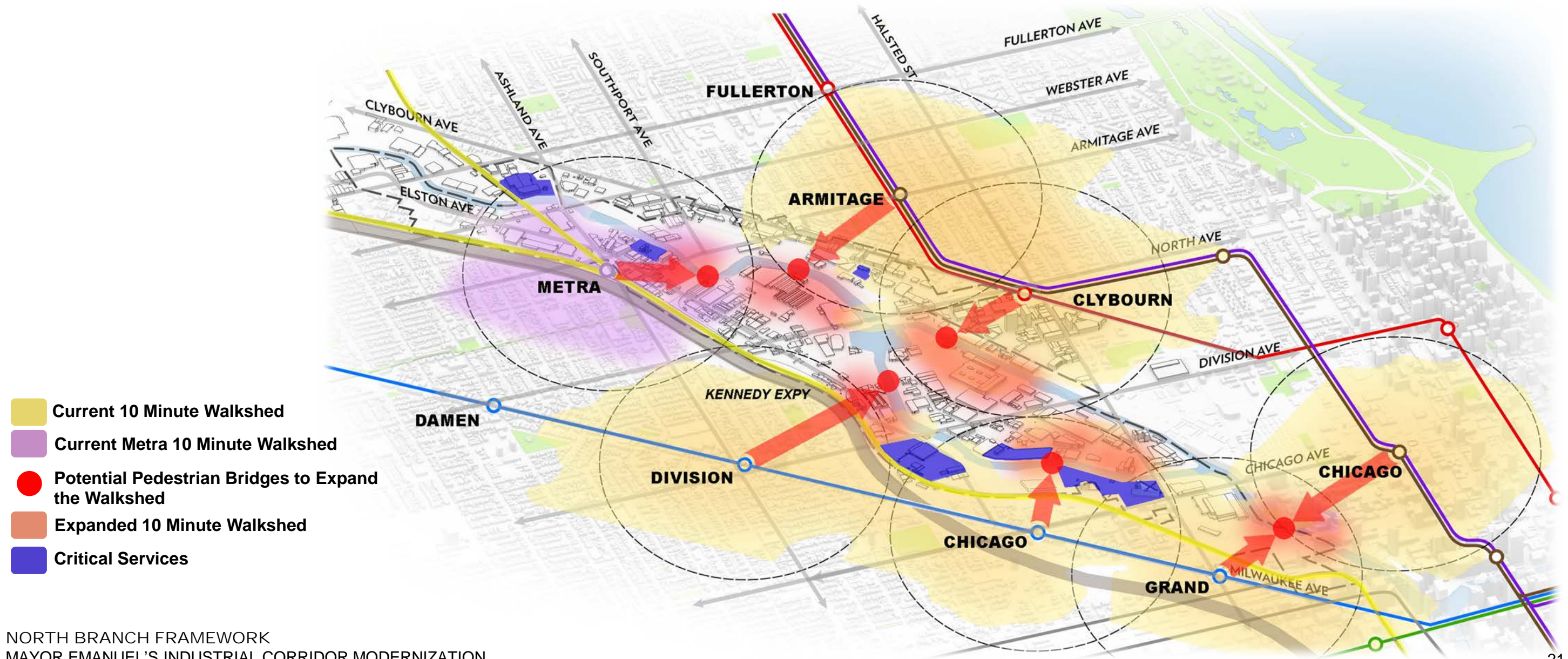




TRANSPORTATION

IMPLEMENTATION IDEAS: SHORT/MID-TERM

2. Expand existing transit service area with new pedestrian and bicycle bridges.





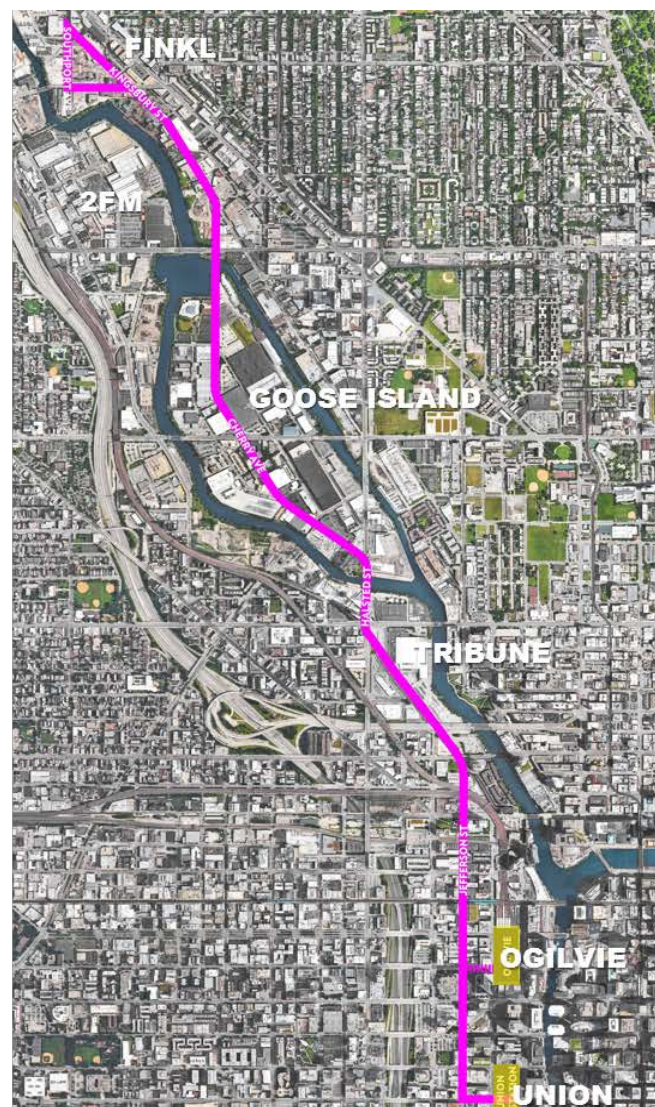
TRANSPORTATION

IMPLEMENTATION IDEAS: LONG-TERM

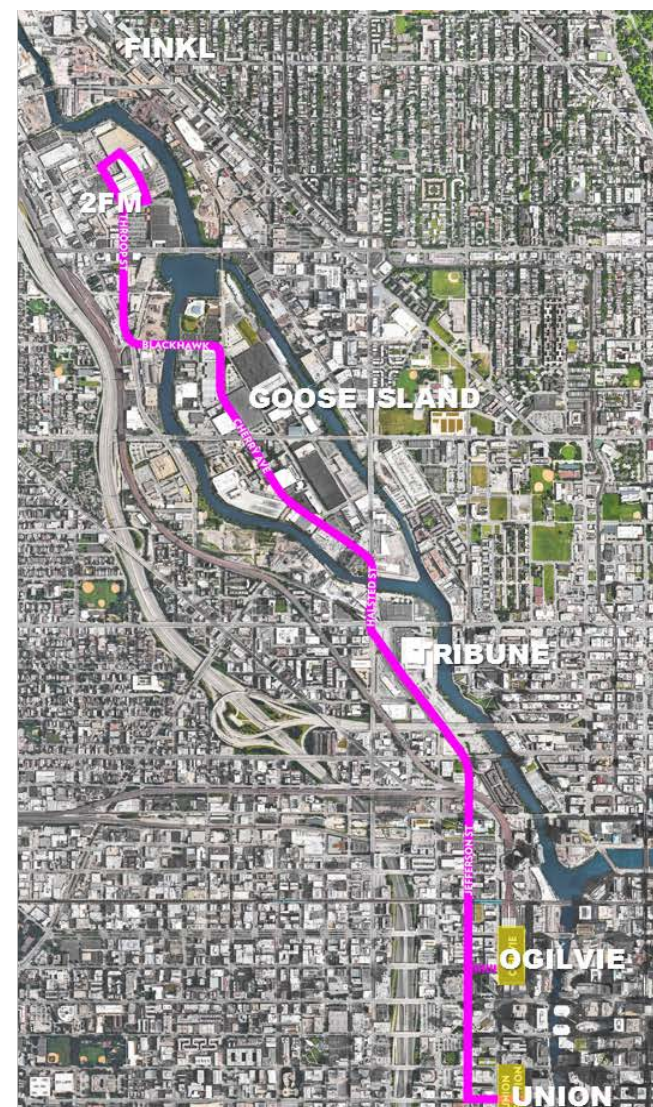
3. Create regional transit links through longer-term large projects such as a transitway.

TRANSITWAY CONCEPTS

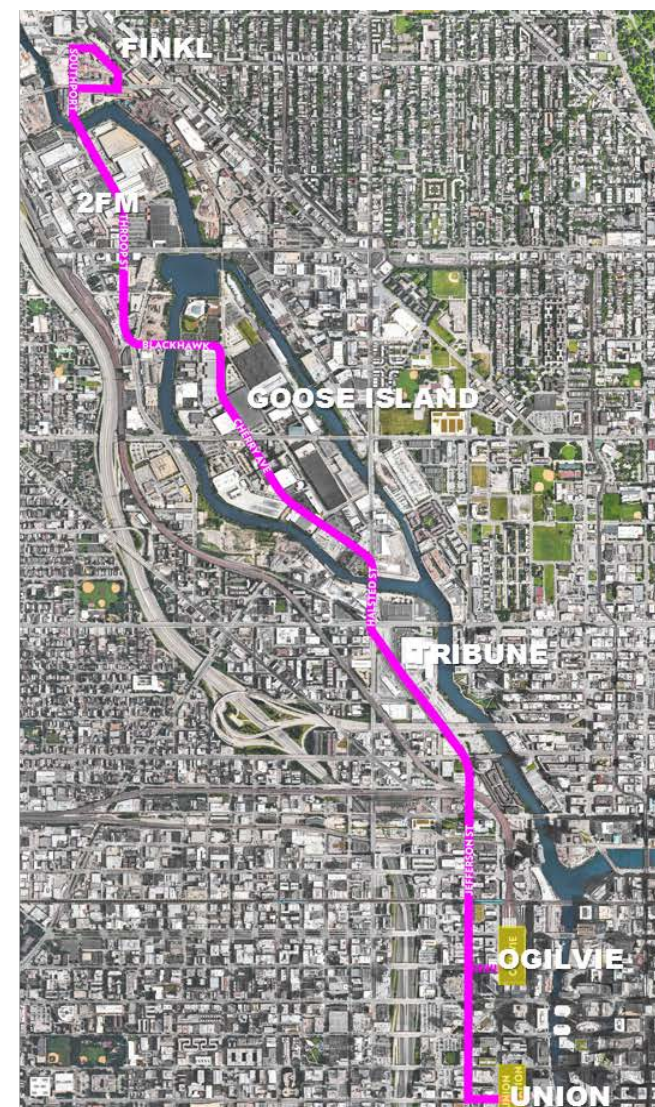
- Explore concepts for new North Branch transportation corridor.
- Connect to Ogilvie and Union Stations to link to the regional workforce and attract employers.



CONCEPT A



CONCEPT B



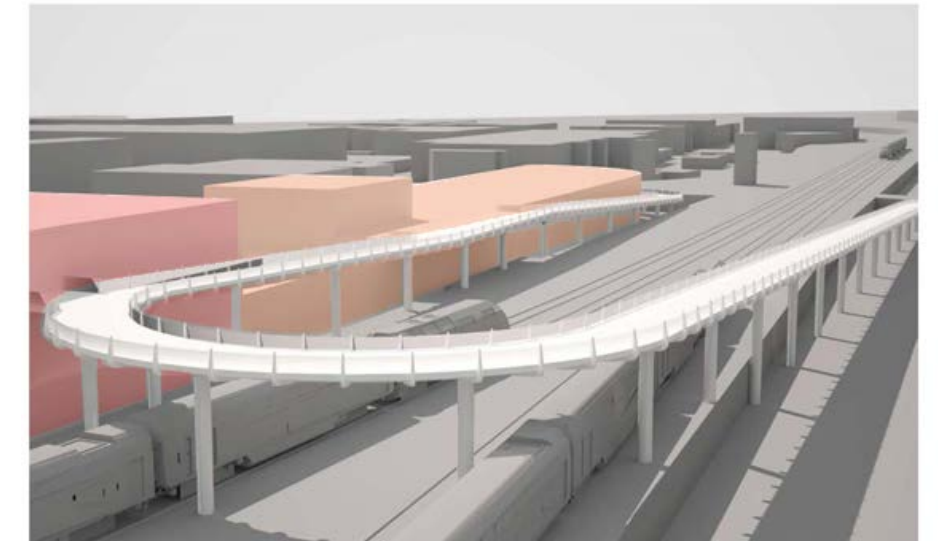
CONCEPT C



TRANSPORTATION

IMPLEMENTATION IDEAS: LONG-TERM

3. Create regional transit links through longer-term large projects such as Metra improvements.



VIEW LOOKING SOUTH RAMP TO NORTH AT 5% SLOPE 23FT CLEARANCE





TRANSPORTATION

POTENTIAL TRANSPORTATION PROJECTS

Potential Short/Mid-Term Projects

- 1 BRIDGE RECONSTRUCTION AT WEBSTER; BRIDGE & STREET RECONSTRUCTION AT DIVISION
- 2 BRIDGE & VIADUCT RECONSTRUCTION AT CHICAGO & HALSTED
- 3 INTERSECTION RECONFIGURATION AT FULLERTON, ELSTON & DAMEN (COMPLETE)
- 4 MODERNIZED SIGNALIZATION ON MAJOR EAST WEST STREETS
- 5 ERIE ST PEDESTRIAN BRIDGE
- 6 OGDEN / AUGUSTA PEDESTRIAN BRIDGE
- 7 BLACKHAWK ST PEDESTRIAN BRIDGE
- 8 WEED ST PEDESTRIAN BRIDGE
- 9 CLIFTON TO WABANSIA PEDESTRIAN BRIDGE

Potential Long-Term Projects

- 10 606 BIKEWAY EAST EXTENSION
- 11 CLYBOURN METRA FACILITIES ENHANCEMENT
- 12 NORTH BRANCH TRANSITWAY
- 13 INTERSECTION & VIADUCT IMPROVEMENT AT ASHLAND, ELSTON, ARMITAGE & CORTLAND
- 14 CORRIDOR TRANSPORTATION MANAGEMENT ASSOCIATION

