

THE ACKMAN ROAD PROJECT TEAM WELCOMES YOU



We're here to:

- ✓ Update you on the Ackman Road: Haligus Road to Randall Road Feasibility Study
- ✓ Get your input on the potential alternatives
- ✓ Update you on the project schedule
- ✓ Explain how you can stay informed and get involved

ACKMAN ROAD IS AN IMPORTANT PART OF THE MCHENRY COUNTY ROAD NETWORK

Potential Needs:

- ✓ Add pedestrian/bicycle facilities
- ✓ Enhance ADA accessibility
- ✓ Improve turning maneuvers
- ✓ Address pavement condition
- ✓ Upgrade intersections
- ✓ Improve drainage conditions



EXISTING ROADWAY CONDITIONS



SAFETY

Roadway Facilities

- ✓ Undefined shoulders
- ✓ Poor pavement condition and drainage
- ✓ Tight turning maneuvers

Pedestrian Facilities

- ✓ Narrow and gapped sidewalks
- ✓ Bicyclist riding on shoulders
- ✓ Unmarked crosswalks

TRAFFIC OPERATIONS

Signalized Intersections

- ✓ Turn lanes
- ✓ Storage bays
- ✓ Tight corner radii

Unsignalized Intersections

- ✓ Stop-controlled on side streets
- ✓ No turn lanes
- ✓ Tight turning maneuvers

CONNECTIVITY

Roadway Facilities

- ✓ Varying number of travel lanes
- ✓ Mixture of curbed and shouldered edges

Pedestrian Facilities

- ✓ Mixture of sidewalks and bike paths
- ✓ Varying path widths and material types
- ✓ Gaps along the corridor



EXISTING ISSUES / CONSTRAINTS



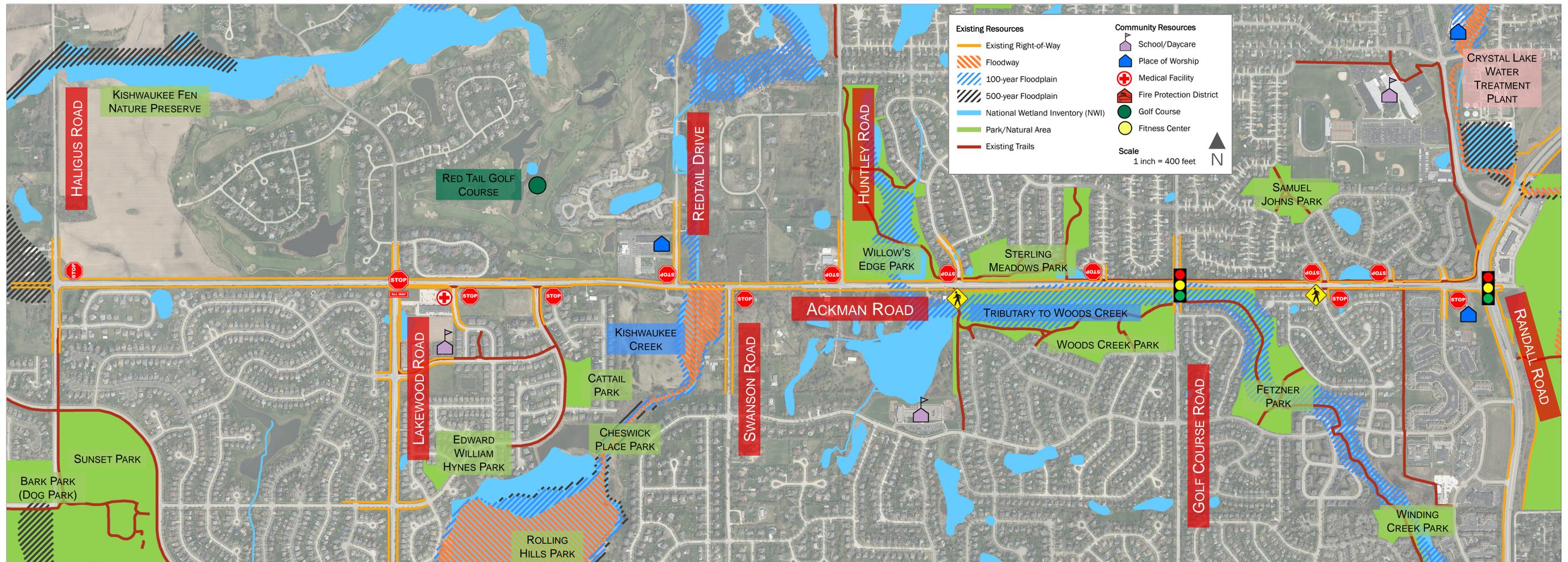
ENVIRONMENTAL REVIEW PURPOSE

Gathers information on existing conditions for:

- ✓ Natural Resources
- ✓ Human Environment
- ✓ Physical Resources

ENVIRONMENTAL STUDIES

- ✓ Threatened/endangered species
- ✓ Wetland and water quality
- ✓ Community impacts
- ✓ Historic and cultural sites
- ✓ Social and economic resources



EXISTING BIKE & PEDESTRIAN FACILITIES MAP



BIKE PATH CROSSING OPTIONS



MID-BLOCK CROSSING (NO DEVICES)



Advantages: Minimal right-of-way needs, low maintenance, lowest cost

Challenges: Interrupted pedestrian flow, not complete separation of pedestrians from motor vehicle travel, low vehicular yield rates, least safe out of all of the options

UNDERPASS



Advantages: Complete separation of pedestrians from motor vehicle travel, uninterrupted pedestrian flow

Challenges: Lighting, graffiti removal, security, substantial right-of-way needs, pedestrians are less likely to use it, high cost

RECTANGULAR RAPID FLASHING BEACON



Advantages: Minimal right-of-way needs, low maintenance, higher yield rates than crossings with no devices, low cost

Challenges: Interrupted pedestrian flow, not complete separation of pedestrians from motor vehicle travel

OVERPASS

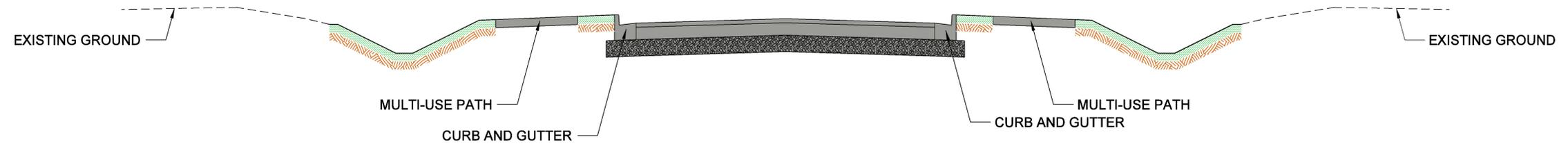


Advantages: Complete separation of pedestrians from motor vehicle travel, uninterrupted pedestrian flow

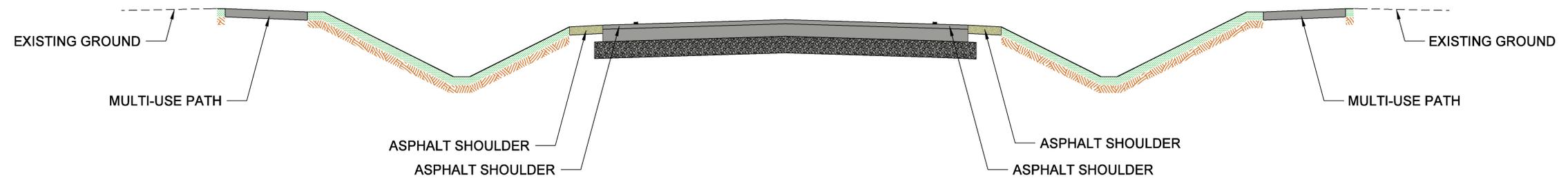
Challenges: Substantial right-of-way needs, pedestrians are less likely to use it, high cost



TYPICAL SECTIONS – URBAN VS RURAL



URBAN TYPICAL SECTION WITH CURB & GUTTER



RURAL TYPICAL SECTION WITH SHOULDER



TYPES OF POTENTIAL INTERSECTION IMPROVEMENTS



TRAFFIC SIGNAL

Advantages

- ✓ Typically less overall intersection delay than with stop control
- ✓ Less right-of-way required than roundabouts
- ✓ Emergency vehicle preemption is possible

Challenges

- ✓ Higher potential for rear-end collisions
- ✓ More delay on certain legs of the intersection than with stop control
- ✓ Cost and maintenance of signal equipment



ROUNDABOUT

Advantages

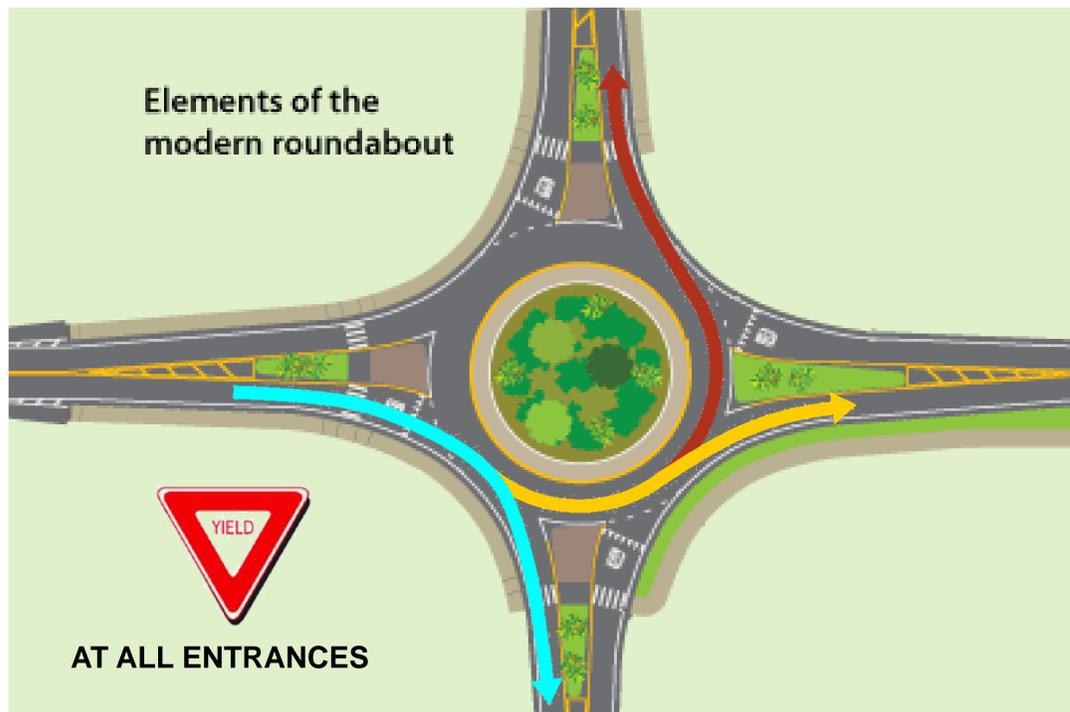
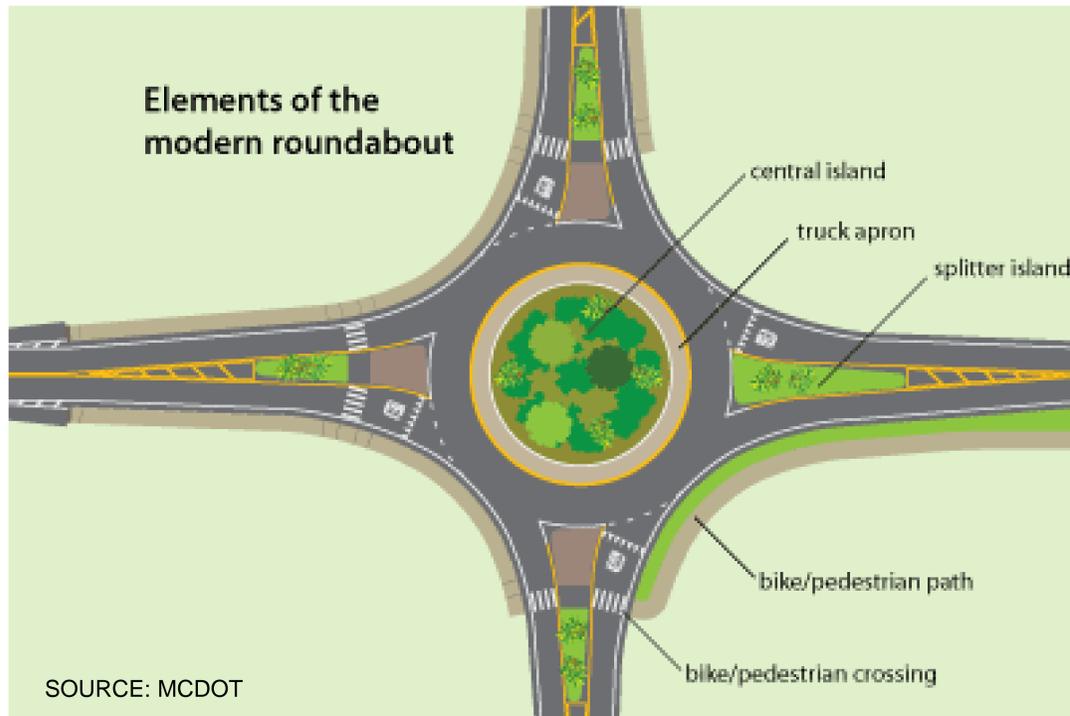
- ✓ Safer than traditional stop sign or signal controlled intersections
- ✓ Less overall vehicle delay
- ✓ Design encourages lower and safer speeds

Challenges

- ✓ More driver confusion than typical intersections
- ✓ Larger footprint, requiring more right-of-way
- ✓ No emergency vehicle preemption



ROUNDBABOUTS – HOW DO THEY WORK?



Approaching a Roundabout

- Get in the correct lane
- Reduce speed
- Yield for pedestrians at approach crosswalk



Yielding in a Roundabout

- Yield to traffic circulating from the left
- Watch for cyclists and motorcycles



Driving within a Roundabout

- Do not stop except to avoid a collision
- Travel in a counterclockwise direction
- Keep to the right of the central island

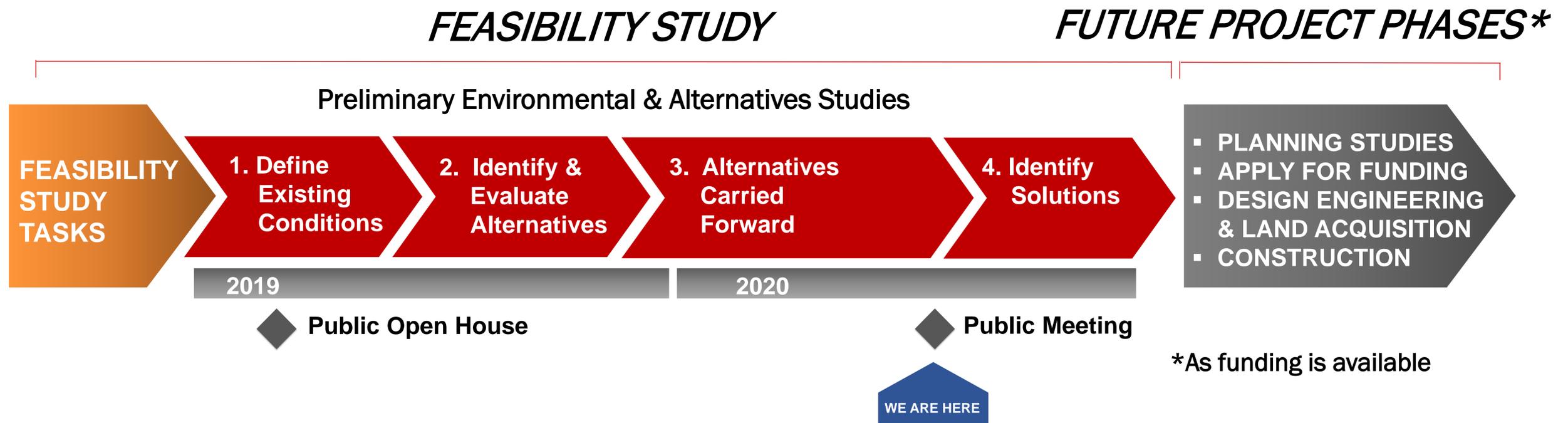


Exiting a Roundabout

- Maintain a low speed
- Use turn signal to indicate your exit
- Yield to pedestrians at exit crosswalk



PROCESS



How To COMMENT

How to submit comments:

ALL COMMENTS MUST BE
SUBMITTED BY THURSDAY
OCTOBER 23, 2020
TO BE INCLUDED IN THE
PUBLIC RECORD



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