



ROUNDBABOUTS



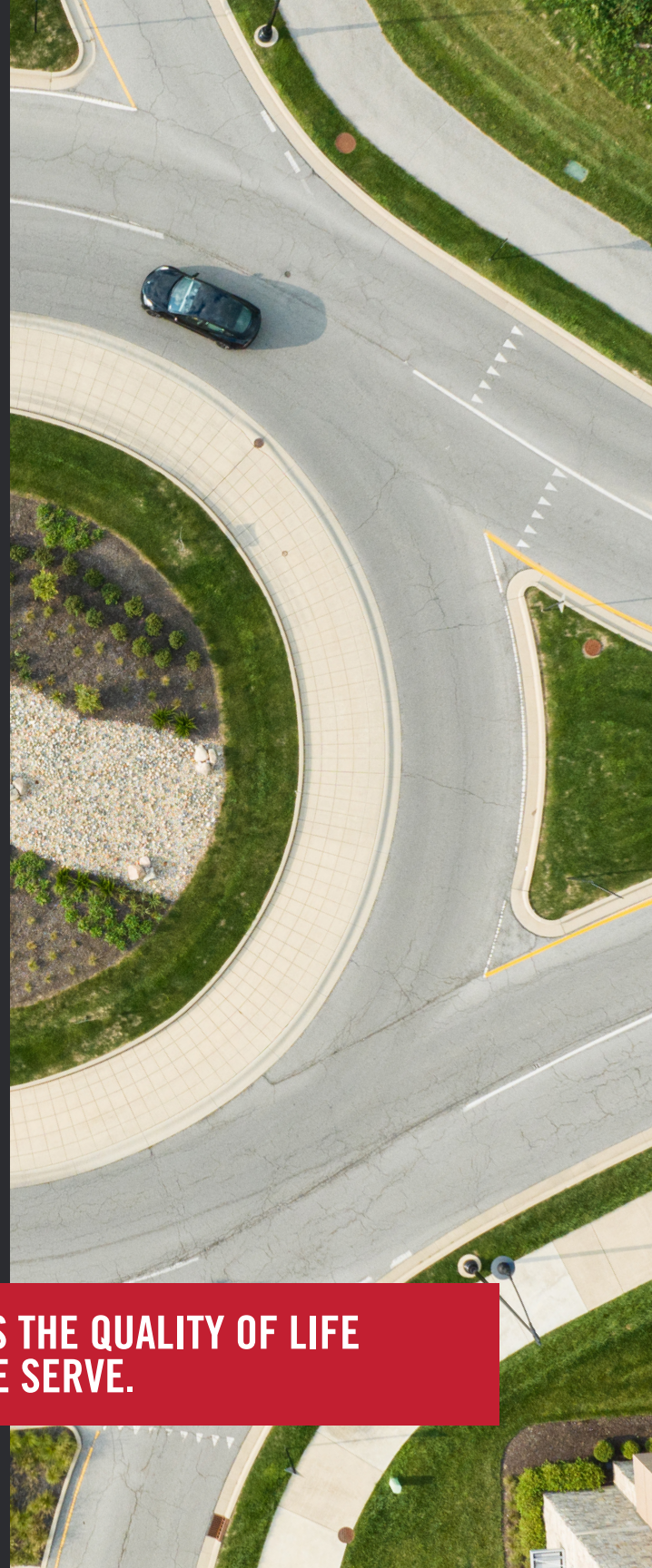
AMERICAN
STRUCTUREPOINT
INC.

WE ARE AMERICAN STRUCTUREPOINT

Established in 1966, American Structurepoint is an award-winning, nationally recognized architecture and engineering firm.

With approximately 750 professionals working in-house across 11 disciplines, American Structurepoint's award-winning team defines the standard of excellence for people who want help building and bettering their community. We are well-equipped and experienced to partner with you to successfully move your project from concept to completion. Our innovative experts take pride in identifying new opportunities, anticipating complexities, overcoming barriers, and maximizing your resources to help you grow. Headquartered in Indianapolis, Indiana, American Structurepoint has professionals working in 18 design centers throughout Florida, Illinois, Indiana, Kentucky, Ohio, Tennessee, and Texas to support clients nationwide.

**AMERICAN STRUCTUREPOINT IMPROVES THE QUALITY OF LIFE
FOR THE PEOPLE AND COMMUNITIES WE SERVE.**



NATIONALLY RECOGNIZED ROUNABOUT LEADERS

American Structurepoint is a nationally recognized leader in the analysis, design, public education, implementation, and operation of roundabouts. To date, we have provided the design, conceptual layout, and/or review for more than 350+ roundabouts.

As leaders in roundabout design and implementation, our excellence has been distinguished by our ability to design roundabouts into the fabric of an intersection's surrounding environment while utilizing the planning and design phase to educate the community on the benefits of this ultra-safe intersection type will bring.

Roundabout design is more than a job to us, it's our commitment to improving the quality of life for the people and communities we serve.

AMERICAN STRUCTUREPOINT ROUNDBOUT EXAMPLES



SR 37 + 126TH STREET, FISHERS, INDIANA



CHESTNUT RIDGE + SR 83, NORTH RIDGEVILLE, OHIO



SR 44 + KEPLER ROAD, DELAND, FLORIDA



BASS ROAD + HADLEY ROAD, FORT WAYNE, INDIANA



RM 3237 AT RM 150 ROUNDABOUT, HAYS COUNTY, TEXAS



REIMAGINE PLEASANT STREET, NOBLESVILLE, INDIANA



US 52 AT SR 9 INTERSECTION IMPROVEMENT (ROUNDABOUT), SHELBY COUNTY, INDIANA



GLENDAL MILFORD RD/LAKE FOREST DR RAB, BLUE ASH, OHIO

AMERICAN STRUCTUREPOINT THRIVES ON PROJECT COMPLEXITY. WE USE OUR IN-HOUSE RESOURCES TO DEVELOP SOLUTIONS TO YOUR PROJECT CHALLENGES.



RANGELINE ROAD, CARMEL, INDIANA



ROUNDBOUT INTERCHANGE AT SCHMIDT AND I-35, COMAL COUNTY, TEXAS



TERRY STREET ROUNDBOUT RETROFIT, BONITA SPRINGS, FLORIDA



MASSILLON THE HUB, GREEN, OHIO



WACO TRAFFIC CIRCLE, WACO, TEXAS



PLAINFIELD ROAD ROUNDBOUTS, BLUE ASH, OHIO



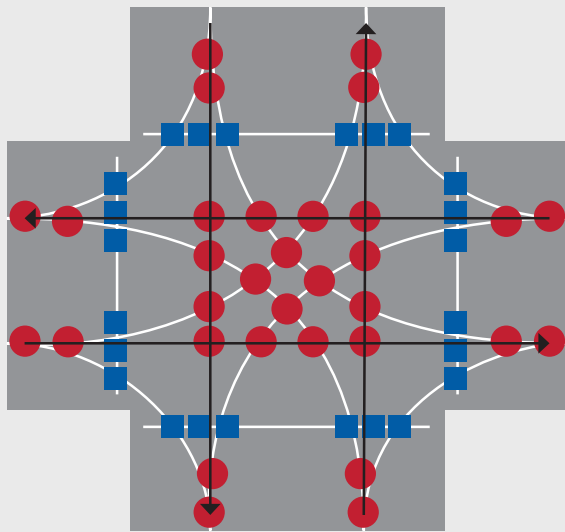
111TH STREET AND LEXINGTON DRIVE, CARMEL, INDIANA



- A Yield Line:** The point at which approaching vehicles yield to circulating vehicles.
- B Splitter Island:** Directs approaching vehicles toward correct entry path, slows approaching vehicles before entering the roundabout, and provides refuge for pedestrians.
- C Multi-use Path:** Provides a safe space for active transportation alternatives that is separate and buffered from motorized traffic.
- D Central Island:** A typically circular island around which roundabout traffic circulates in a counterclockwise direction.
- E Truck Apron:** Provides a hard surface for the back wheels of large vehicles to roll across without damaging the roundabout central island, allowing the size of the roundabout to be reduced and minimizing the impact to adjacent land owners.
- F Pedestrian Crossing:** A designated location where pedestrians can cross the roadway at a point where vehicle speeds are low and pedestrian visibility is high. Pedestrians also benefit from the refuge provided by the splitter island, allowing them to cross one direction of traffic at a time.

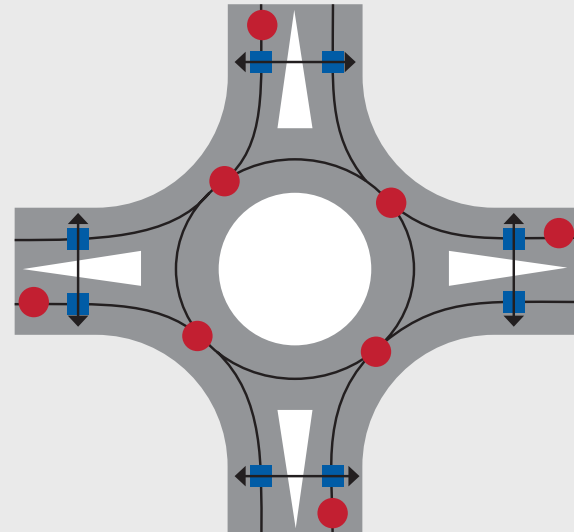
BENEFITS OF A ROUNDABOUT

75% FEWER CONFLICT POINTS THAN A FOUR-WAY INTERSECTION



● Vehicle Conflicts ■ Pedestrian Conflicts

32 VEHICLE-TO-VEHICLE CONFLICTS
24 PEDESTRIAN-TO-VEHICLE CONFLICTS



● Vehicle Conflicts ■ Pedestrian Conflicts

8 VEHICLE-TO-VEHICLE CONFLICTS
8 PEDESTRIAN-TO-VEHICLE CONFLICTS

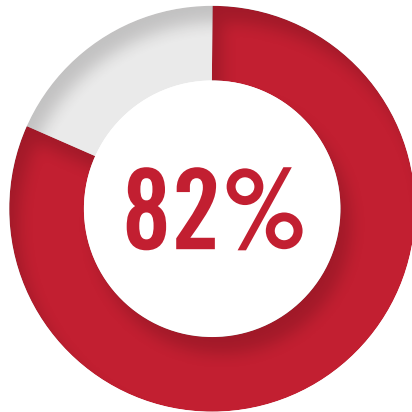
Installing roundabouts in place of traffic signals or stop signs has been found to reduce carbon monoxide emissions by 15%-45%.

Roundabouts are resilient in inclement weather and power outages as they are not reliant on overhead structures or electricity.

24,000 gallons of gas saved annually due to a reduction in engine idling and traffic congestion.

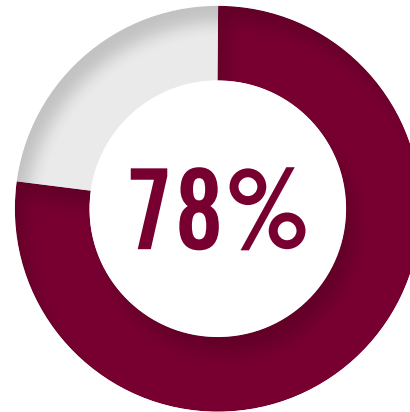
ROUNDBABOUTS SAVE LIVES

TWO-WAY STOP-CONTROLLED
INTERSECTION TO A ROUNDABOUT



REDUCTION IN FATAL
AND INJURY CRASHES

SIGNALIZED INTERSECTION
TO A ROUNDABOUT



REDUCTION IN FATAL
AND INJURY CRASHES

ROUNDBABOUTS ARE ENVIRONMENTALLY FRIENDLY



REDUCED TRAFFIC NOISE



IMPROVES WATER QUALITY
WITH REDUCED HARD
SURFACE (PAVEMENT) AREA



LESS AIR POLLUTION



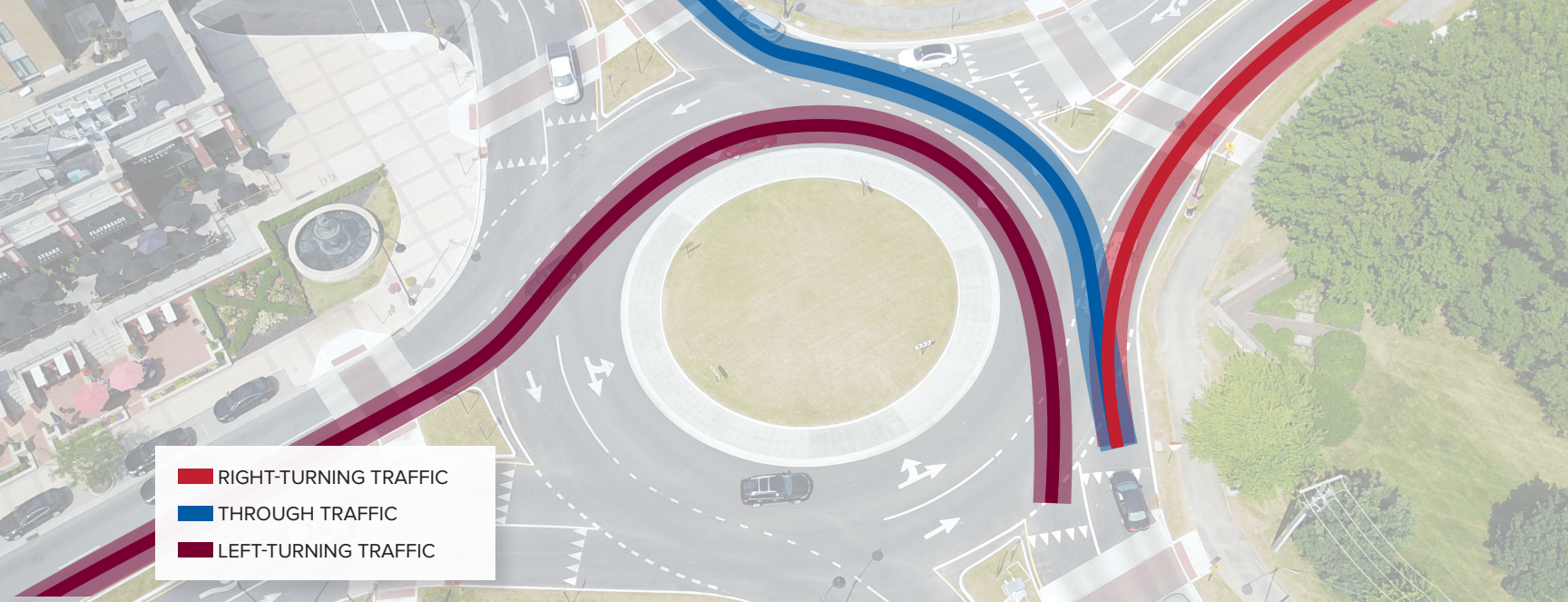
FEWER VEHICLE EMISSIONS



REDUCED FUEL CONSUMPTION



REDUCES ENERGY CONSUMPTION
AND RELIANCE



NAVIGATING A ROUNDABOUT

STEP 1
CHOOSE A LANE

STEP 2
YIELD

STEP 3
STAY IN LANE

- ✓ As you approach the roundabout, slow the vehicle to appropriate yielding speed, taking note of the posted advisory speed upon your approach.
- ✓ Pay attention to signs and pavement markings prior to entering the roundabout to choose the appropriate lane to be in.
- ✓ Yield to any pedestrians in the crosswalk.
- ✓ Look to your left at the yield line and yield to circulating vehicles in the roundabout; they have the right-of-way. If there are no vehicles in the circulating lanes, it is not necessary to stop.
- ✓ Once inside the roundabout, circulate counterclockwise around the central island to your desired exit.
- ✓ After exiting at your desired exit, watch for and yield to pedestrians in the crosswalk.

SIGNAGE AND PAVEMENT MARKINGS



ROUNDABOUT AHEAD

The roundabout ahead sign informs drivers they are approaching a roundabout intersection.



LANE USE SIGN

The lane use sign shows drivers which lanes are used for right turns, left turns, and straight-thru movements.



YIELD SIGN

The yield sign tells drivers to yield to traffic already in the roundabout.



LANE USE ARROWS

Lane use arrows are also shown on the pavement to help identify which lanes are used for right turns, left turns, and straight-thru movements.



ROUNDABOUT DIRECTIONAL ARROW SIGN

Roundabout directional arrow signs indicate direction of travel in the circulatory roadway.



PEDESTRIAN CROSSING SIGN

The pedestrian crossing sign warns drivers to be alert for pedestrians and to yield to any pedestrians in the crosswalk. Sometimes the signs may be accompanied by flashing lights or raised crosswalks.



WHAT TO DO IF YOU ENCOUNTER AN EMERGENCY VEHICLE AT A ROUNDABOUT

**THE MAIN POINT TO
REMEMBER IS TO ALWAYS
YIELD TO AN EMERGENCY
VEHICLE.**

IF YOU HAVE NOT ALREADY ENTERED THE ROUNDABOUT:

Pull over to the right side of the road and yield the right-of-way to the emergency vehicle (allow it to pass).

IF THERE APPEARS TO BE INSUFFICIENT ROAD WIDTH FOR THE EMERGENCY VEHICLE TO PASS YOU AT THE ENTRY TO THE ROUNDABOUT:

Quickly proceed through the roundabout to your desired exit, exit the roundabout, and pull over to the right side of the road to allow the emergency vehicle to pass.

IF YOU HAVE ALREADY ENTERED THE ROUNDABOUT:

Proceed to your exit, exit the roundabout, and pull over to the right side of the road to allow the emergency vehicle to pass.

OUR RESULTS.

Our seasoned experts produce results for the clients and communities we serve. Here are a few examples:



American Structurepoint has been awarded more than 45 awards for our roundabout designs.



We've designed, provided conceptual layout, review, and/or inspected more than 350 roundabouts nationwide.



Roundabouts reduce collisions and improve the safety in your community.



We provide roundabout education and host informational sessions to introduce roundabouts into a new community.



Roundabouts reduce vehicle emissions and help improve the overall air quality.

DEFINING THE BUILT ENVIRONMENT

ARCHITECTURE + INTERIORS

CIVIL ENGINEERING

CONSTRUCTION SOLUTIONS

ENVIRONMENTAL SERVICES

INVESTIGATIVE

IT SOLUTIONS

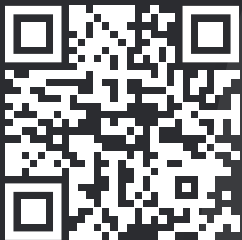
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PLANNING + ECONOMIC DEVELOPMENT

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