Transportation

Design Intent

Oh the places you'll go! But first... how will you get there? Will you take a train? Drive a car? Maybe you'll ride your bicycle. Or fly in an airplane. Possibly you'll take off in a hot air balloon. Or even pedal a unicycle. Maybe you'll ride a horse. Or saddle up an elephant. What about a boat ride? The options are endless in the world of Transportation. So by all means, explore the world but don't forget to enjoy the journey!

Technology Components

N/A

Mural Features

- Texarkana Airport-Texarkana airport is known for its mixed-use facility, supporting both general aviation and some commercial service. The airport dates to 1928 and began commercial service with a Ford Tri-Motor is 1931.
- Commercial Airplane-A commercial airplane transports passengers and cargo between airports. They are operated by an airline and follow a specific schedule. The two major manufacturers in the commercial aircraft market are Boeing and Airbus. The number of commercial flights in the U.S. is estimated to be around 12,857 a day with each plane making 3-4 flights.
- Personal Airplane-Personal airplane or private aircraft are designed for individual or small group travel. They have long-range capabilities, allowing for transatlantic and intercontinental flights. Private aircraft are used by businesses for travel and productivity.
- Amtrak Train- Amtrak Train-Amtrak operates intercity rail service in 46 of the 48 contiguous states and 3 Canadian provinces. There are over 500 stations along 21,400 miles of track and it serves over 23 million passengers a year.
- Helicopter-The first successful powered helicopter was invented in 1939 by Igor Sikorsky, although the idea of vertical flight machines dates back to the 15th century, with Leonardo da Vinci sketching designs. Helicopters are used for tourism, search and rescue, medical transport, firefighting, aerial photography, and military activities.

Mural Features

- Tunnel-Tunnels in transportation networks link different parts of a city across challenging terrain or bodies of water. They also reduce congestion, noise, and air pollution while increasing efficiency.
- Sailboat-A sailboat is a type of boat that uses sails to harness the power of the wind for movement. It typically consists of a hull, a mast to which the sails are attached, and a keel or centerboard for stability. Sailing has been an Olympic sport since 1896. Sailboats can actually sail faster than the speed of wind/ The world record for the fastest sailing speed in 65.45 knots (121 km/h).
- Garbage Truck-Garbage trucks pick up trash and transport the waste to landfills or solid waste treatment facilities. These trucks are commonly equipped with compactors to maximize the amount of waste they can carry. Wagons had been used for centuries to haul away solid waste, although innovative designs like dumpsters (1937) and compactors (1938) came much later.
- Truck-A truck is a large, heavy motor vehicle used for transporting goods, materials, or people. The cabin (for people) is separate from the payload (goods or materials). Most trucks are powered by diesel engines. The common ancestor of trucks, the steam wagon, was built in 1769.
- Semi-truck-A semi-truck (also known as an 18-wheeler) is a large vehicle made up of a tractor unit and one or more trailers used to haul freight. The tractor contains the engine and driver's cab, while the trailer carries the cargo. The first semi-truck was invented in 1898 by Alexander Winton, a vehicle manufacturer, to transport his cars to customers.
- Motorhome-A motorhome is a self-contained vehicle that combines transportation and living space, often used for travel and camping. It typically includes sleeping areas, a small kitchen, a bathroom, and seating.
- School Bus-A school bus is a large vehicle specifically designed to transport students to and from school and school-related activities. In the United States, more than 25 million students ride school buses each day. School buses are yellow for safety and visibility.
- Fishing Boat-A fishing boat or vessel is used to catch fish and other aquatic animals. Before the 1950s, fishing boats came in various designs and were traditionally made of wood. Fiberglass is used in smaller fishing boats (up to 82 feet), while steel is usually used on boats over 82 feet.
- Seaplane-A seaplane is a type of fixed-wing aircraft capable of taking off and landing on water. These aircraft are generally classified into two main types: float planes and flying boats. Seaplanes were important for early aviation, allowing for long-distance flights and access to remote areas.
- Speedboat-Speedboats are designed to be light, fast, and strong, powered by high-horsepower engines. They can reach speeds of 60-100 knots (69-115 mph). Speedboats are used for racing and recreational boating.

T**hemes to Explore**

- Modes of Transportation (Land, Air, and Water)
- Transportation Safety
- How and Why People Move Around
- Force and Motion
- Wheels and Tires
- Community and Transportation
- Travel and Journeys
- Transportation Around the World

Mounted Artifacts

- Shipping Container (Sensory Bin)-Shipping containers transport and store large goods and are usually made of steel or aluminum. They can be used to transport goods by land or sea.
- Amtrak Train-Amtrak operates intercity rail service in 46 of the 48 contiguous states and 3 Canadian provinces. There are over 500 stations along 21,400 miles of track and it serves over 23 million passengers a year.
- Flatbed Truck-Flatbed trucks are commonly used to transport heavy or oversized cargo, including machinery, construction materials, and equipment. Their open trailer design allows for easy loading and unloading. These trucks are also referred to as open deck trailers.
- Airbus A320-The Airbus A320 was launched in 1984 and first flew in 1987. It's a narrow-body, single-aisle aircraft that can carry between 140-180 passengers. It is the bestselling aircraft line of all time.

To Find Out More

- American Public Transportation Association
- World Travel Guide-Destination Guides and Stories