OVIVO Worldwide Experts in Water Treatment

Municipal CLARIFIERS

# TRAVELING BRIDGE CLARIFIERS

## DESIGNED FOR MINIMAL MAINTENANCE, AND LOW OPERATING COSTS

### HOW WE CREATE VALUE

Common wall utilization

Customizable scum removal, power supply, sludge removal, and drive systems available.

Factory Tested and Assembled before delivery.

Stainless Steel, Aluminum or Galvanized materials of construction

## CUSTOM BUILT FOR YOUR PLANT

Traveling bridge clarifiers perform the same functions as circular clarifiers. Both water and wastewater applications are served by this bridge system, including both primary and secondary clarification.

Bridges are constructed with galvanized steel, stainless steel, or aluminum and are shipped fully assembled and ready for operation. Bridge designs range from simple beam superstructure to large walk-thru trusses. Controls can be mounted in a climate controlled weather enclosure/ Kiosk for maintenance and monitoring the system in cold environments.

Independent hydraulic traction drives use single flanged tapered wheels, while cog- gear powered devices are fitted with double flanged and flangeless wheels either end that can be powered by a single unit or by independent motors.

Whether the basin profile is stepped, sloped, or flat, the Traveling Bridge system is able to adapt to the basin profile. Collection options include hydraulic suction removal of RAS, and scraper models with hoppers.

Controls for the Traveling bridge systems range from the simplest controls to SCADA radio controlled monitoring and control in climate controlled kiosks. Flexibility in the system allows for staggered or stepped operation. To supply power to the bridge, festoon cable systems are available as well as conductor bar systems.

Ovivo Traveling Bridge Clarifiers are designed to have long life, minimal maintenance, and have low operating costs over the life of the system.

## APPLICATIONS

- Water and Waste Water plants, primary and secondary rectangular clarifiers
- Rectangular tank retrofits
- Adaptable to existing basin geometry
- Replacement or Rehabilitation of all existing types of Traveling Bridge Clarifier mechanisms
- Controls upgrade, radio communication w/SCADA in a climate controlled Kiosk.

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## RECENT PROJECTS

Duffin Creek, ONT– Primary Clarifier Traveling Bridges (77-ft wide x 210-ft long) with cross collectors. Bridge drives are dual independent synchronized.

Humber, ONT – Primary Clarifier Traveling Bridges (81-ft wide x 257-ft long) with cross collectors and line shaft drives.

Clarkson, ONT – Primary Clarifier Traveling Bridges (65-ft wide x 268-ft long) with line shaft drives.

Village Creek, AL – Final Settling Tanks (80-ft & 40-ft Wide x 220-ft Long). Hydraulic drives and hydraulic differential solids collection.

Georgetown, ONT – Primary Clarifier Traveling Bridges (25-ft wide x 177-ft long) with cross collectors and line shaft drives.

**CONTACT**

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