

In the winter months LINK427 has been continuing work on the Highway 427 Expansion project, working on the electrical and utility corridors that will run along the highway. When driving on Highway 427 north of Finch Avenue motorists will see the addition of new high-mast light poles in the median.

Each light pole takes about 4-6 months to be procured. They are built offsite in Montreal, Quebec, have been trucked to the Highway 427 Expansion site and will undergo testing before they are activated. The high-mast light poles used in the 427 Expansion project are the only type of light pole design that is approved for full illumination of freeways in Ontario.

LINK427 will be installing over 100 high-mast light poles of varying heights across the project.



Rebar for the base of high-mast light pole.

When constructing a high-mast light pole, rebar is used within the concrete base to help create a strong foundation for the pole. The rebar seen in this picture was photographed at the site in March.

LINK427 workers drill a hole for footings and place the rebar in the ground, pouring concrete around it. Large bolts called the anchor bolt assembly are left at the top of the base for the high-mast pole to be attached to.



Anchor bolt assembly for a high-mast light pole.



High-mast light pole ready for installation on the Highway 427 Expansion between Rutherford Road and McGillivray Road.

Over the past few weeks, LINK427 has been busy installing the high-mast poles onto the bases. Each post is approximately 35-45 metres tall and is engineered to withstand wind and other forces. There is room inside the pole for the electrical wiring needed to reach the top of the post.

The top of each post is called a luminaire and holds 8-12 LED lightbulbs. The luminaire can be lowered to allow maintenance crews to inspect and change the bulbs from the ground.



Newly installed high-mast light pole near Rainbow Creek.

What is the Highway 427 Expansion Project?

The Highway 427 Expansion project will extend the highway 6.6 km, from Highway 7 to Major Mackenzie Drive and widen the existing highway to 8 lanes between Finch Avenue and Highway 7.

Who is LINK427?

LINK427 is the consortium selected by the Ministry of Transportation (MTO) and Infrastructure Ontario (IO) to design, build, finance, and maintain the Highway 427 widening and extension.

Des renseignements sont disponibles en français en composant 1-888-595-3152.